

# Index to volume 123

## Author index\*

### A

- Ackerman MB. The myth of Janus: orthodontic progress faces orthodontic history. 2003;123:594-6 (Guest editorial)
- Ajlouni R (see Bishara et al). 2003;123:21-4
- Ajlouni R (see Oonsombat et al). 2003;123:547-50
- Akcam MO, Altioek T, Ozdiler E. Panoramic radiographs: a tool for investigating skeletal pattern. 2003;123:175-81
- Al-Qawasmi RA, Hartsfield JK Jr, Everett ET, Flury L, Liu L, Foroud TM, Macri JV, Roberts WE. Genetic predisposition to external apical root resorption. 2003;123:242-52
- Alger DW, Thomas D, Creekmore, 1931-2002. 2003;123:359 (In memoriam)
- Altioek T (see Akcam et al). 2003;123:175-81
- Altuna G (see Voudouris et al). 2003;123:604-13
- Angelopoulos G (see Voudouris et al). 2003;123:604-13
- Artese F (see Kim et al). 2003;123:138-45
- Årtun J (see Kim et al). 2003;123:138-45
- Azzeh E, Feldon PJ. Laser debonding of ceramic brackets: a comprehensive review. 2003;123:79-83

### B

- Baccetti T (see Burkhart et al). 2003;123:108-16
- Baccetti T (see Westwood et al). 2003;123:306-20
- Baek S-H (see Kang et al). 2003;123:64-73
- Baik HS (see Sung et al). 2003;123:441-50
- Basciftci FA, Uysal T, Buyukerkmen A. Determination of Holdaway soft tissue norms in Anatolian Turkish adults. 2003;123:395-400
- Basciftci FA (see Uysal et al). 2003;123:628-32
- Bayer A (see Gazit-Rappaport et al). 2003;123:185-91 (Case rep.)
- Beatty MW (see Iwasaki et al). 2003;123:408-15
- Beck FM (see Cassinelli et al). 2003;123:497-502
- Behbehani F (see Kim et al). 2003;123:138-45
- Bellinger LL (see Fuentes et al). 2003;123:153-9
- Bellinger LL (see Fuentes et al). 2003;123:160-6
- Bensch L, Braem M, Van Acker K, Willems G. Orthodontic treatment considerations in patients with diabetes mellitus. 2003;123:74-8 (Review article)
- Berger JL (see Pangrazio-Kulbersh et al). 2003;123:286-95
- Beyth N, Redlich M, Harari D, Friedman M, Steinberg D. Effect of sustained-release chlorhexidine varnish on *Streptococcus mutans* and *Actinomyces viscosus* in orthodontic patients. 2003;123:345-8 (Short communication)
- Bilodeau JE. Dental distraction for an adult patient. 2003;123:683-9 (Case rep.)
- Bishara SE, Ajlouni R, Laffoon JF. Effect of thermocycling on the shear bond strength of a cyanoacrylate orthodontic adhesive. 2003;123:21-4
- Bishara SE (see Oonsombat et al). 2003;123:547-50
- Bishara SE (see Warren et al). 2003;123:614-9
- Borislav AJ (see Le et al). 2003;123:624-7
- Bos A, Hoogstraten J, Prah-Andersen B. Expectation of treatment and satisfaction with dentofacial appearance in orthodontic patients. 2003;123:127-32
- Bos A, Hoogstraten J, Prah-Andersen B. On the use of personality characteristics in predicting compliance in orthodontic practice. 2003;123:568-70 (Short communication)
- Bourque PJ (see Voudouris et al). 2003;123:604-13
- Braem M (see Bensch et al). 2003;123:74-8 (Review article)
- Braitman LE (see Le et al). 2003;123:624-7
- Brook AH (see Shah et al). 2003;123:562-7
- Brothag D (see Zentner et al). 2003;123:279-85
- Burkhart DR, McNamara JA Jr, Baccetti T. Maxillary molar distalization or mandibular enhancement: a cephalometric comparison of comprehensive orthodontic treatment including the pendulum and the Herbst appliances. 2003;123:108-16
- Buschang P (see Fuentes et al). 2003;123:153-9
- Buschang P (see Fuentes et al). 2003;123:160-6

- Buschang PH (see James et al). 2003;123:555-61
- Buyukerkmen A (see Basciftci et al). 2003;123:395-400
- Buyukerkmen A (see Uysal et al). 2003;123:628-32
- Büyükyılmaz T (see Üümez et al). 2003;123:641-8

### C

- Cacciafesta V, Sfondrini MF, De Angelis M, Scribante A, Klersy C. Effect of water and saliva contamination on shear bond strength of brackets bonded with conventional, hydrophilic, and self-etching primers. 2003;123:633-40
- Cakirer B (see Nelson et al). 2003;123:338-44
- Carlson DS (see Fuentes et al). 2003;123:153-9
- Carlson DS (see Fuentes et al). 2003;123:160-6
- Carvalho RS, Nelson D, Kelderman H, Wise R. Guided bone regeneration to repair an osseous defect. 2003;123:455-67 (Case rep.)
- Cassinelli AG, Firestone AR, Beck FM, Vig KWL. Factors associated with orthodontists' assessment of difficulty. 2003;123:497-502
- Cattaneo PM, Dalstra M, Melsen B. The transfer of occlusal forces through the maxillary molars: a finite element study. 2003;123:367-73
- Cevdanes LHS, Franco AA, Scanavini MA, Vigorito JW, Enlow DH, Proffit WR. Clinical outcomes of Fränkel appliance therapy assessed with a counterpart analysis. 2003;123:379-87
- Chacon JA (see Tran et al). 2003;123:349-51 (Techno bytes)
- Chermak DS (see Pangrazio-Kulbersh et al). 2003;123:286-95
- Chiba Y, Motoyoshi M, Namura S. Tongue pressure on loop of transpalatal arch during deglutition. 2003;123:29-34
- Cho YS (see Sung et al). 2003;123:441-50
- Cirelli CC, Cirelli JA, da Rosa Martins JC, Lia RCC, Rossa C Jr, Marcantonio E Jr. Orthodontic movement of teeth with intraosseous defects: histologic and histometric study in dogs. 2003;123:666-75
- Cirelli JA (see Cirelli et al). 2003;123:666-75
- Close JM (see Lamparski et al). 2003;123:321-8
- Cruz KS (see Janson et al). 2003;123:468-75 (Case rep.)
- Cummings A (see Millett et al). 2003;123:15-20
- Czochrowska EM, Skaare AB, Stenvik A, Zachrisson BU. Outcome of orthodontic space closure with a missing maxillary central incisor. 2003;123:597-603

### D

- Dalstra M (see Cattaneo et al). 2003;123:367-73
- Dalstra M (see Melsen and Dalstra). 2003;123:374-8
- Dandajena TC, Nanda RS. Bialveolar protrusion in a Zimbabwean sample. 2003;123:133-7
- Daniel JC (see Talic et al). 2003;123:527-33
- da Rosa Martins JC (see Cirelli et al). 2003;123:666-75
- De Angelis M (see Cacciafesta et al). 2003;123:633-40
- de Freitas MR (see Janson et al). 2003;123:468-75 (Case rep.)
- Dhopatkar A (see Hain et al). 2003;123:416-22
- Dhopatkar A (see Weerakone and Dhopatkar). 2003;123:503-11
- Dolce C (see King et al). 2003;123:489-96
- Drake DL. Segmental odontomaxillary dysplasia: an unusual orthodontic challenge. 2003;123:84-6 (Clin. corner)
- Duff S (see Millett et al). 2003;123:15-20

### E

- Eberhardt AW (see Toms and Eberhardt). 2003;123:657-65
- Edler R, Wertheim D, Greenhill D. Comparison of radiographic and photographic measurement of mandibular asymmetry. 2003;123:167-74
- Ehmer U (see Hohoff et al). 2003;123:146-52
- Elcock C (see Shah et al). 2003;123:562-7
- Elston RC (see Gass et al). 2003;123:35-9
- Enacar A, Giray B, Pehlivanoglu M, Iplikcioglu H. Facemask therapy with rigid anchorage in a patient with maxillary hypoplasia and severe oligodontia. 2003;123:571-7 (Case rep.)
- English JD (see James et al). 2003;123:555-61
- Enlow DH (see Cevdanes et al). 2003;123:379-87
- Evans CA (see Talic et al). 2003;123:527-33
- Everett ET (see Al-Qawasmi et al). 2003;123:242-52

\*January, pp. 1-106; February, pp. 107-240; March, pp. 241-364; April, pp. 365-486; May, pp. 487-592; June, pp. 593-728.

## F

- Featherstone JDB (see Gorton and Featherstone). 2003;123:10-4
- Feldon PJ (see Azzeh and Feldon). 2003;123:79-83
- Ferro A, Nucci LP, Ferro F, Gallo C. Long-term stability of skeletal Class III patients treated with splints, Class III elastics, and chin cup. 2003;123:423-34
- Ferro F (see Ferro et al). 2003;123:423-34
- Fillion D (see Hohoff et al). 2003;123:146-52
- Fines CD, Rebello J, Sair M. Congenitally missing mandibular second premolar: treatment outcome with orthodontic space closure. 2003;123:676-82 (Case rep.)
- Firesone AR (see Cassinelli et al). 2003;123:497-502
- Flury L (see Al-Qawasmī et al). 2003;123:242-52
- Foroud TM (see Al-Qawasmī et al). 2003;123:242-52
- Franchi L (see Westwood et al). 2003;123:306-20
- Franco AA (see Cevdanes et al). 2003;123:379-87
- Friedman M (see Beyth et al). 2003;123:345-8 (Short communication)
- Fuentes MA, Opperman LA, Buschang P, Bellinger LL, Carlson DS, Hinton RJ. Lateral functional shift of the mandible: part I. Effects on condylar cartilage thickness and proliferation. 2003;123:153-9
- Fuentes MA, Opperman LA, Buschang P, Bellinger LL, Carlson DS, Hinton RJ. Lateral functional shift of the mandible: part II. Effects on gene expression in condylar cartilage. 2003;123:160-6

## G

- Gallo C (see Ferro et al). 2003;123:423-34
- Gass JR, Vailathan M, Tiwari HK, Hans MG, Elston RC. Familial correlations and heritability of maxillary midline diastema. 2003;123:35-9
- Gazit E (see Gazit-Rappaport et al). 2003;123:185-91 (Case rep.)
- Gazit-Rappaport T, Bayer A, Gazit E. An innovative orthodontic-prosthetic approach for a patient with dental and skeletal asymmetry. 2003;123:185-91 (Case rep.)
- Gebhardt A, Pancherz H. The effect of anabolic steroids on mandibular growth. 2003;123:435-40
- Gianelly AA. Arch width after extraction and nonextraction treatment. 2003;123:25-8
- Gillis I (see Harari et al). 2003;123:551-4
- Gilmour WH (see Millett et al). 2003;123:15-20
- Giray B (see Enacar et al). 2003;123:571-7 (Case rep.)
- Glover K (see Kersey et al). 2003;123:401-7
- Glover KE (see Roth et al). 2003;123:695-700
- Glover KE (see Trpkova et al). 2003;123:512-20
- Gordon PH (see Linklater and Gordon). 2003;123:534-9
- Gorton J, Featherstone JDB. In vivo inhibition of demineralization around orthodontic brackets. 2003;123:10-4
- Greenhill D (see Edler et al). 2003;123:167-74

## H

- Haerian A (see Pangrazio-Kulbersh et al). 2003;123:286-95
- Hägg U (see Rabie et al). 2003;123:40-8
- Hägg U (see Rabie et al). 2003;123:521-6
- Hain M, Dhoptkar A, Rock P. The effect of ligation method on friction in sliding mechanics. 2003;123:416-22
- Halazonetis DJ (see Haralabakis et al). 2003;123:296-305
- Hans MG (see Gass et al). 2003;123:35-9
- Haralabakis NB, Halazonetis DJ, Sifakakis IB. Activator versus cervical headgear: superimpositional cephalometric comparison. 2003;123:296-305
- Harari D, Shapira-Davis S, Gillis I, Roman I, Redlich M. Tensile bond strength of ceramic brackets bonded to porcelain facets. 2003;123:551-4
- Harari D (see Beyth et al). 2003;123:345-8 (Short communication)
- Hartfield JK Jr (see Al-Qawasmī et al). 2003;123:242-52
- Hatch JP (see Tran et al). 2003;123:349-51 (Techno bytes)
- Heinecke A (see Hohoff et al). 2003;123:146-52
- Henriques JFC (see Janson et al). 2003;123:468-75 (Case rep.)
- Heo G (see Kersey et al). 2003;123:401-7
- Heo G (see Roth et al). 2003;123:695-700
- Herrmann W (see Schmage et al). 2003;123:540-6
- Hinton RJ (see Fuentes et al). 2003;123:153-9
- Hinton RJ (see Fuentes et al). 2003;123:160-6
- Hobson RS (see Murray and Hobson). 2003;123:2-9
- Hohoff A, Seifert E, Fillion D, Stamm T, Heinecke A, Ehmer U. Speech

performance in lingual orthodontic patients measured by sonography and auditive analysis. 2003;123:146-52

Hoogstraten J (see Bos et al). 2003;123:127-32

Hoogstraten J (see Bos et al). 2003;123:568-70 (Short communication)

## I

- Iplikcioglu H (see Enacar et al). 2003;123:571-7 (Case rep.)
- Iwasaki LR, Beatty MW, Randall CJ, Nickel JC. Clinical ligation forces and intraoral friction during sliding on a stainless steel archwire. 2003;123:408-15

## J

- James JW, Miller BH, English JD, Tadlock LP, Buschang PH. Effects of high-speed curing devices on shear bond strength and microleakage of orthodontic brackets. 2003;123:555-61
- Janson G, Janson MR, Cruz KS, Henriques JFC, de Freitas MR. Unusual orthodontic retreatment. 2003;123:468-75 (Case rep.)
- Janson MR (see Janson et al). 2003;123:468-75 (Case rep.)
- Jee S-H (see Park et al). 2003;123:690-4 (Clin. corner)
- Jerrold L. Benedict Arnold as an expert witness. 2003;123:707-8 (Litigation/legis/ethics)
- Jerrold L. Inferences, presumptions, and certainties. 2003;123:194-5 (Litigation/legis/ethics)
- Jerrold L. Paying it forward: an orthodontist's responsibility for possible future injuries. 2003;123:356-8 (Litigation/legis/ethics)
- Jerrold L. Perception is reality. 2003;123:478-9 (Litigation/legis/ethics)
- Jerrold L. A road well traveled. 2003;123:584-5 (Litigation/legis/ethics)
- Jerrold L. Subjective expert opinion evidence. 2003;123:96-8 (Litigation/legis/ethics)
- Jung M-H, Yang W-S, Nahm D-S. Effects of upper lip closing force on craniofacial structures. 2003;123:58-63

## K

- Kaczynski R (see Pangrazio-Kulbersh et al). 2003;123:286-95
- Kang B-S, Baek S-H, Mah J, Yang W-S. Three-dimensional relationship between the critical contact angle and the torque angle. 2003;123:64-73
- Karaman AI (see Ümez et al). 2003;123:641-8
- Kelderman H (see Carvalho et al). 2003;123:455-67 (Case rep.)
- Kersey ML, Glover K, Heo G, Raboud D, Major PW. An in vitro comparison of 4 brands of nonlatex orthodontic elastics. 2003;123:401-7
- Kim D-H (see Park et al). 2003;123:690-4 (Clin. corner)
- Kim T-W, Artun J, Behbehani F, Artese F. Prevalence of third molar impaction in orthodontic patients treated nonextraction and with extraction of 4 premolars. 2003;123:138-45
- King GJ. Clinical outcome monitoring program (COMP): a new application for use in orthodontic audits and research. 2003;123:510-1 (Commentary)
- King GJ, McGorray SP, Wheeler TT, Dolce C, Taylor M. Comparison of peer assessment ratings (PAR) from 1-phase and 2-phase treatment protocols for Class II malocclusions. 2003;123:489-96
- Kisnisci RS (see Tuz et al). 2003;123:620-3
- Klerys C (see Cacciafesta et al). 2003;123:633-40
- Kojima I (see Komori and Kojima). 2003;123:649-52
- Komori A, Kojima I. Evaluation of a new 2-paste glass ionomer cement. 2003;123:649-52
- Kook Y-A, Park S, Sameshima GT. Peg-shaped and small lateral incisors not at higher risk for root resorption. 2003;123:253-8
- Koroluk LD, Tulloch JFC, Phillips C. Incisor trauma and early treatment for Class II Division 1 malocclusion. 2003;123:117-26
- Kuffinec MM (see Voudouris et al). 2003;123:604-13
- Kuhlberg AJ, Norton LA. Pathologic findings in orthodontic radiographic images. 2003;123:182-4 (Short communication)
- Kuo E, Miller RJ. Automated custom-manufacturing technology in orthodontics. 2003;123:578-81 (Techno bytes)
- Kuroda T (see Kusayama et al). 2003;123:329-37
- Kusayama M, Motohashi N, Kuroda T. Relationship between transverse dental anomalies and skeletal asymmetry. 2003;123:329-37

## L

- Laffoon JF (see Bishara et al). 2003;123:21-4
- Lai Y-Y (see Nelson et al). 2003;123:338-44

Lam EWN (see Trpkova et al). 2003;123:512-20

Lamparski DG Jr, Rinchuse DJ, Close JM, Sciote JJ. Comparison of skeletal and dental changes between 2-point and 4-point rapid palatal expanders. 2003;123:321-8

Le PT, Weinstein M, Borislow AJ, Braitman LE. Bond failure and decalcification: a comparison of a cyanoacrylate and a composite resin bonding system in vivo. 2003;123:624-7

Lee S-Y (see Park et al). 2003;123:690-4 (Clin. corner)

Lia RCC (see Cirelli et al). 2003;123:666-75

Linklater RA, Gordon PH. Bond failure patterns in vivo. 2003;123:534-9

Liu L (see Al-Qawasmi et al). 2003;123:242-52

## M

Macri JV (see Al-Qawasmi et al). 2003;123:242-52

Mah J (see Kang et al). 2003;123:64-73

Major PW (see Kersey et al). 2003;123:401-7

Major PW (see Popowich et al). 2003;123:388-94 (Review article)

Major PW (see Roth et al). 2003;123:695-700

Major PW (see Trpkova et al). 2003;123:512-20

Marcantonio E Jr (see Cirelli et al). 2003;123:666-75

Masella RS (see Meister and Masella). 2003;123:352-3 (Special article)

McGorray SP (see King et al). 2003;123:489-96

McNamara JA Jr (see Burkhardt et al). 2003;123:108-16

McNamara JA Jr (see Westwood et al). 2003;123:306-20

Meister M, Masella RS. Field of dreams. 2003;123:352-3 (Special article)

Melsen B, Dalstra M. Distal molar movement with Kloehe headgear: is it stable? 2003;123:374-8

Melsen B (see Cattaneo et al). 2003;123:367-73

Mihalik CA, Proffit WR, Phillips C. Long-term follow-up of Class II adults treated with orthodontic camouflage: a comparison with orthognathic surgery outcomes. 2003;123:266-78

Miller BH (see James et al). 2003;123:555-61

Miller RJ (see Kuo and Miller). 2003;123:578-81 (Techno bytes)

Millett DT, Duff S, Morrison L, Cummings A, Gilmour WH. In vitro comparison of orthodontic band cements. 2003;123:15-20

Mitani H (see Sato and Mitani). 2003;123:87-92 (Case rep.)

Moon YS (see Sung et al). 2003;123:441-50

Morrison L (see Millett et al). 2003;123:15-20

Motohashi N (see Kusayama et al). 2003;123:329-37

Motoyoshi M (see Chiba et al). 2003;123:29-34

Muhl Z. AAO continuing education: questions and registration forms. 2003;123:94-5, 192-3, 354-5

Murray SD, Hobson RS. Comparison of in vivo and in vitro shear bond strength. 2003;123:2-9

## N

Nahm D-S (see Jung et al). 2003;123:58-63

Namurs S (see Chiba et al). 2003;123:29-34

Nanda RS (see Dandajena and Nanda). 2003;123:133-7

Nebbe B (see Popowich et al). 2003;123:388-94 (Review article)

Negiz I (see Schmager et al). 2003;123:540-6

Nelson D (see Carvalho et al). 2003;123:455-67 (Case rep.)

Nelson S, Cakirer B, Lai Y-Y. Longitudinal changes in craniofacial factors among snoring and nonsnoring Bolton-Brush study participants. 2003;123:338-44

Nickel JC (see Iwasaki et al). 2003;123:408-15

Norton LA (see Kuhlberg and Norton). 2003;123:182-4 (Short communication)

Nucci LP (see Ferro et al). 2003;123:423-34

## O

Onder EM (see Tuz et al). 2003;123:620-3

Oonsombat C, Bishara SE, Ajlouni R. The effect of blood contamination on the shear bond strength of orthodontic brackets with the use of a new self-etch primer. 2003;123:547-50

Opperman LA (see Fuentes et al). 2003;123:153-9

Opperman LA (see Fuentes et al). 2003;123:160-6

Orhan M (see Ümez and Orhan). 2003;123:451-4 (Short communication)

Özcan M (see Schmager et al). 2003;123:540-6

Ozdiler E (see Akcam et al). 2003;123:175-81

## P

Pancherz H (see Gebhardt and Pancherz). 2003;123:435-40

Pangrazio-Kulbersh V, Berger JL, Chermak DS, Kaczynski R, Simon ES, Haerian A. Treatment effects of the mandibular anterior repositioning appliance on patients with Class II malocclusion. 2003;123:286-95

Park S (see Kook et al). 2003;123:253-8

Park Y-C, Lee S-Y, Kim D-H, Jee S-H. Intrusion of posterior teeth using mini-screw implants. 2003;123:690-4 (Clin. corner)

Patiño MC (see Saldarriaga and Patiño). 2003;123:259-65 (Case rep.)

Pehlivanoglu M (see Enacar et al). 2003;123:571-7 (Case rep.)

Peylo S (see Zentner et al). 2003;123:279-85

Phillips C (see Koroluk et al). 2003;123:117-26

Phillips C (see Mihalik et al). 2003;123:266-78

Popowich K, Nebbe B, Major PW. Effect of Herbst treatment on temporomandibular joint morphology: a systematic literature review. 2003;123:388-94 (Review article)

Prahl-Andersen B (see Bos et al). 2003;123:127-32

Prahl-Andersen B (see Bos et al). 2003;123:568-70 (Short communication)

Prasad NG (see Trpkova et al). 2003;123:512-20

Proffit WR (see Cevidanes et al). 2003;123:379-87

Proffit WR (see Mihalik et al). 2003;123:266-78

## R

Rabie ABM, She TT, Hägg U. Functional appliance therapy accelerates and enhances condylar growth. 2003;123:40-8

Rabie ABM, Wong L, Hägg U. Correlation of replicating cells and osteogenesis in the glenoid fossa during stepwise advancement. 2003;123:521-6

Rabie ABM, Wong L, Tsai M. Replicating mesenchymal cells in the condyle and the glenoid fossa during mandibular forward positioning. 2003;123:49-57

Raboud D (see Kersey et al). 2003;123:401-7

Raboud D (see Trpkova et al). 2003;123:512-20

Randall CJ (see Iwasaki et al). 2003;123:408-15

Rebellato J (see Fines et al). 2003;123:676-82 (Case rep.)

Redlich M (see Beyth et al). 2003;123:345-8 (Short communication)

Redlich M (see Harari et al). 2003;123:551-4

Rennett M. AAO continuing education: questions and registration forms. 2003;123:582-3

Rinchuse DJ (see Lamparski et al). 2003;123:321-8

Roberts WE (see Al-Qawasmi et al). 2003;123:242-52

Rock P (see Hain et al). 2003;123:416-22

Roman I (see Harari et al). 2003;123:551-4

Rossa C Jr (see Cirelli et al). 2003;123:666-75

Roth SF, Heo G, Varnhagen C, Glover KE, Major PW. Job satisfaction among Canadian orthodontists. 2003;123:695-700

Rugh JD (see Tran et al). 2003;123:349-51 (Techno bytes)

## S

Saiair M (see Fines et al). 2003;123:676-82 (Case rep.)

Saldarriaga JR, Patiño MC. Ectopic eruption and severe root resorption. 2003;123:259-65 (Case rep.)

Sameshima GT (see Kook et al). 2003;123:253-8

Sari Z (see Uysal et al). 2003;123:628-32

Sarver DM (see Westwood et al). 2003;123:306-20

Sato K, Mitani H. Unerupted maxillary central and lateral incisors and canine with crossbite and asymmetry. 2003;123:87-92 (Case rep.)

Scanavini MA (see Cevidanes et al). 2003;123:379-87

Schmager P, Negiz I, Herrmann W, Özcan M. Influence of various surface-conditioning methods on the bond strength of metal brackets to ceramic surfaces. 2003;123:540-6

Sciote JJ (see Lamparski et al). 2003;123:321-8

Scribante A (see Cacciafesta et al). 2003;123:633-40

Seifert E (see Hohoff et al). 2003;123:146-52

Sfondrini MF (see Cacciafesta et al). 2003;123:633-40

Shah AA, Elcock C, Brook AH. Incisor crown shape and crowding. 2003;123:562-7

Shapira-Davis S (see Harari et al). 2003;123:551-4

She TT (see Rabie et al). 2003;123:40-8

Sifakakis IB (see Haralabakis et al). 2003;123:296-305

Simon ES (see Pangrazio-Kulbersh et al). 2003;123:286-95

- Skaare AB (see Czochrowska et al). 2003;123:597-603  
 Stamm T (see Hohoff et al). 2003;123:146-52  
 Steinberg D (see Beyth et al). 2003;123:345-8 (Short communication)  
 Stenvik A (see Czochrowska et al). 2003;123:597-603  
 Sung SJ, Baik HS, Moon YS, Yu HS, Cho YS. A comparative evaluation of different compensating curves in the lingual and labial techniques using 3D FEM. 2003;123:441-50

## T

- Tadlock LP (see James et al). 2003;123:555-61  
 Talic NF, Evans CA, Daniel JC, Zaki AEM. Proliferation of epithelial rests of Malassez during experimental tooth movement. 2003;123:527-33  
 Taylor M (see King et al). 2003;123:489-96  
 Tiwari HK (see Gass et al). 2003;123:35-9  
 Toms SR, Eberhardt AW. A nonlinear finite element analysis of the periodontal ligament under orthodontic tooth loading. 2003;123:657-65  
 Tran AM, Rugh JD, Chacon JA, Hatch JP. Reliability and validity of a computer-based Little irregularity index. 2003;123:349-51 (Techno bytes)  
 Trpkova B, Prasad NG, Lam EWN, Raboud D, Glover KE, Major PW. Assessment of facial asymmetries from posteroanterior cephalograms: validity of reference lines. 2003;123:512-20  
 Tsai M (see Rabie et al). 2003;123:49-57  
 Tulloch JFC (see Koroluk et al). 2003;123:117-26  
 Turpin DL. AAO looks to the future. 2003;123:365-6 (Editorial)  
 Turpin DL. Camouflage might not mean compromise. 2003;123:241 (Editorial)  
 Turpin DL. Defining the future of orthodontic research. 2003;123:487-8 (Editorial)  
 Turpin DL. Manpower and the changing economy. 2003;123:1 (Editorial)  
 Turpin DL. Navigating the future...a voyage of discovery. 2003;123:107 (Editorial)  
 Turpin DL. Protecting the privacy of your patients. 2003;123:593 (Editorial)  
 Tuz HH, Onder EM, Kisinici RS. Prevalence of otologic complaints in patients with temporomandibular disorder. 2003;123:620-3

## U

- Ulrich B. The office technology backbone. 2003;123:703-6 (Techno bytes)  
 Üümez S, Büyükyılmaz T, Karaman AI. Effects of fast halogen and plasma arc curing lights on the surface hardness of orthodontic adhesives for lingual retainers. 2003;123:641-8  
 Üümez S, Orhan M. Reproducibility of natural head position measured with an inclinometer. 2003;123:451-4 (Short communication)  
 Üümez S (see Uysal et al). 2003;123:628-32  
 Uysal T, Basciftci FA, Üümez S, Sari Z, Buyukerkmen A. Can previously bleached teeth be bonded safely? 2003;123:628-32  
 Uysal T (see Basciftci et al). 2003;123:395-400

## V

- Valiathan M (see Gass et al). 2003;123:35-9  
 Van Acker K (see Bensch et al). 2003;123:74-8 (Review article)  
 Varnhagen C (see Roth et al). 2003;123:695-700  
 Vig KWL (see Cassinelli et al). 2003;123:497-502  
 Vigorito JW (see Cevidanes et al). 2003;123:379-87  
 Voudouris JC, Woodside DG, Altuna G, Kufinec MM, Angelopoulos G, Bourque PJ. Condyle-fossa modifications and muscle interactions during Herbst treatment, part 1. New technological methods. 2003;123:604-13

## W

- Warren JJ, Bishara SE, Yonezu T. Tooth size-arch length relationships in the deciduous dentition: a comparison between contemporary and historical samples. 2003;123:614-9  
 Watanabe E (see Watanabe and Watanabe). 2003;123:653-6  
 Watanabe I, Watanabe E. Surface changes induced by fluoride prophylactic agents on titanium-based orthodontic wires. 2003;123:653-6  
 Weerakone S, Dhoptkar A. Clinical outcome monitoring program (COMP): a new application for use in orthodontic audits and research. 2003;123:503-11  
 Weinstein M (see Le et al). 2003;123:624-7  
 Wertheim D (see Edler et al). 2003;123:167-74  
 Westwood PV, McNamara JA Jr, Baccetti T, Franchi L, Sarver DM. Long-term effects of Class III treatment with rapid maxillary expansion and facemask therapy followed by fixed appliances. 2003;123:306-20  
 Wheeler TT (see King et al). 2003;123:489-96  
 Willems G (see Bensch et al). 2003;123:74-8 (Review article)  
 Wise R (see Carvalho et al). 2003;123:455-67 (Case rep.)  
 Wolf GR. Incisor trauma and early treatment for Class II Division 1 malocclusion. 2003;123:125-6 (Commentary)  
 Wong L (see Rabie et al). 2003;123:49-57  
 Wong L (see Rabie et al). 2003;123:521-6  
 Woodside DG (see Voudouris et al). 2003;123:604-13

## Y

- Yang W-S (see Jung et al). 2003;123:58-63  
 Yang W-S (see Kang et al). 2003;123:64-73  
 Yonezu T (see Warren et al). 2003;123:614-9  
 Yu HS (see Sung et al). 2003;123:441-50

## Z

- Zachrisson BU (see Czochrowska et al). 2003;123:597-603  
 Zaki AEM (see Talic et al). 2003;123:527-33  
 Zentner A, Peylo S, Brothag D. Predictive value of morphologic parameters for successful correction of Class II Division 2 malocclusion. 2003;123:279-85

# Subject index\*

## A

### Abnormalities

Congenitally missing mandibular second premolar: treatment outcome with orthodontic space closure (Fines et al). 2003;123:676-82 (Case rep.)

### Abstracts

Reviews and abstracts. 2003;123:99-101, 196-8, 360-1, 480-2, 586-7, 709

### Acid etching

The effect of blood contamination on the shear bond strength of orthodontic brackets with the use of a new self-etch primer (Oonsombat et al). 2003;123:547-50

Effect of water and saliva contamination on shear bond strength of brackets bonded with conventional, hydrophilic, and self-etching primers (Cacciafesta et al). 2003;123:633-40

Influence of various surface-conditioning methods on the bond strength of metal brackets to ceramic surfaces (Schmage et al). 2003;123:540-6

Tensile bond strength of ceramic brackets bonded to porcelain facets (Harari et al). 2003;123:551-4

### Actinomyces viscosus

Effect of sustained-release chlorhexidine varnish on *Streptococcus mutans* and *Actinomyces viscosus* in orthodontic patients (Beyth et al). 2003; 123:345-8 (Short communication)

### Activator appliances

Activator versus cervical headgear: superimpositional cephalometric comparison (Haralabakis et al). 2003;123:296-305

Long-term effects of Class III treatment with rapid maxillary expansion and facemask therapy followed by fixed appliances (Westwood et al). 2003;123:306-20

### Adhesives

Bond failure patterns in vivo (Linklater and Gordon). 2003;123:534-9

Comparison of in vivo and in vitro shear bond strength (Murray and Hobson). 2003;123:2-9

Effect of thermocycling on the shear bond strength of a cyanoacrylate orthodontic adhesive (Bishara et al). 2003;123:21-4

Effects of fast halogen and plasma arc curing lights on the surface hardness of orthodontic adhesives for lingual retainers (Ümez et al). 2003;123: 641-8

Effects of high-speed curing devices on shear bond strength and microleakage of orthodontic brackets (James et al). 2003;123:555-61

Tensile bond strength of ceramic brackets bonded to porcelain facets (Harari et al). 2003;123:551-4

### Allograft; see Transplantation, homologous

### American Association of Orthodontists

AAO looks to the future (Turpin). 2003;123:365-6 (Editorial)

Directory: AAO officers and organizations. 2003;123:106, 240, 364, 486, 592, 710

Meeting announcements. 2003;123:104-5, 362-3, 590-1

Navigating the future...a voyage of discovery (Turpin). 2003;123:107 (Editorial)

News, comments, and service announcements. 2003;123:102-3, 238-9, 483-5, 588-9

### American Journal of Orthodontics & Dentofacial Orthopedics

Defining the future of orthodontic research (Turpin). 2003;123:487-8 (Editorial)

### Anabolic steroids

The effect of anabolic steroids on mandibular growth (Gebhardt and Panherz). 2003;123:435-40

### Anatolian Turkish

Determination of Holdaway soft tissue norms in Anatolian Turkish adults (Basciftci et al). 2003;123:395-400

### Animal models

The effect of anabolic steroids on mandibular growth (Gebhardt and Panherz). 2003;123:435-40

Orthodontic movement of teeth with intraosseous defects: histologic and histometric study in dogs (Cirelli et al). 2003;123:666-75

### Annual AAO meeting

Annual meeting. 2003;123:199-237

Navigating the future...a voyage of discovery (Turpin). 2003;123:107 (Editorial)

### Archwire

Clinical ligation forces and intraoral friction during sliding on a stainless steel archwire (Iwasaki et al). 2003;123:408-15

A comparative evaluation of different compensating curves in the lingual and labial techniques using 3D FEM (Sung et al). 2003;123:441-50

### Articulation

Speech performance in lingual orthodontic patients measured by sonography and auditive analysis (Hohoff et al). 2003;123:146-52

### Audit

Clinical outcome monitoring program (COMP): a new application for use in orthodontic audits and research (Weerakone and Dhopathkar). 2003; 123:503-11

### Auditive analysis

Speech performance in lingual orthodontic patients measured by sonography and auditive analysis (Hohoff et al). 2003;123:146-52

### Automation

Automated custom-manufacturing technology in orthodontics (Kuo and Miller). 2003;123:578-81 (Techno bytes)

## B

### Bacteria

Effect of sustained-release chlorhexidine varnish on *Streptococcus mutans* and *Actinomyces viscosus* in orthodontic patients (Beyth et al). 2003; 123:345-8 (Short communication)

### Bialveolar protrusion

Bialveolar protrusion in a Zimbabwean sample (Dandajena and Nanda). 2003;123:133-7

### Bicuspid

Arch width after extraction and nonextraction treatment (Gianelly). 2003; 123:25-8

Can previously bleached teeth be bonded safely? (Uysal et al). 2003;123: 628-32

Congenitally missing mandibular second premolar: treatment outcome with orthodontic space closure (Fines et al). 2003;123:676-82 (Case rep.)

Prevalence of third molar impaction in orthodontic patients treated nonextraction and with extraction of 4 premolars (Kim et al). 2003;123:138-45

Unusual orthodontic retreatment (Janson et al). 2003;123:468-75 (Case rep.)

### Biomechanics

Genetic predisposition to external apical root resorption (Al-Qawasmī et al). 2003;123:242-52

### Bite force

The transfer of occlusal forces through the maxillary molars: a finite element study (Cattaneo et al). 2003;123:367-73

### Black people

Bialveolar protrusion in a Zimbabwean sample (Dandajena and Nanda). 2003;123:133-7

### Blood contamination

The effect of blood contamination on the shear bond strength of orthodontic brackets with the use of a new self-etch primer (Oonsombat et al). 2003;123:547-50

### Bolton-Brush study

Longitudinal changes in craniofacial factors among snoring and nonsnoring Bolton-Brush study participants (Nelson et al). 2003;123:338-44

### Bond failure

Bond failure and decalcification: a comparison of a cyanoacrylate and a composite resin bonding system in vivo (Le et al). 2003;123:624-7

Bond failure patterns in vivo (Linklater and Gordon). 2003;123:534-9

### Bond strength

Bond failure patterns in vivo (Linklater and Gordon). 2003;123:534-9

\*January, pp. 1-106; February, pp. 107-240; March, pp. 241-364; April, pp. 365-486; May, pp. 487-592; June, pp. 593-728.



- Can previously bleached teeth be bonded safely? (Üysal et al). 2003;123:628-32
- Comparison of in vivo and in vitro shear bond strength (Murray and Hobson). 2003;123:2-9
- The effect of blood contamination on the shear bond strength of orthodontic brackets with the use of a new self-etch primer (Oonsombat et al). 2003;123:547-50
- Effect of thermocycling on the shear bond strength of a cyanoacrylate orthodontic adhesive (Bishara et al). 2003;123:21-4
- Effect of water and saliva contamination on shear bond strength of brackets bonded with conventional, hydrophilic, and self-etching primers (Cacciafesta et al). 2003;123:633-40
- Effects of high-speed curing devices on shear bond strength and microleakage of orthodontic brackets (James et al). 2003;123:555-61
- Influence of various surface-conditioning methods on the bond strength of metal brackets to ceramic surfaces (Schmage et al). 2003;123:540-6
- Tensile bond strength of ceramic brackets bonded to porcelain facets (Harari et al). 2003;123:551-4
- Bonding**
- Effect of sustained-release chlorhexidine varnish on *Streptococcus mutans* and *Actinomyces viscosus* in orthodontic patients (Beyth et al). 2003;123:345-8 (Short communication)
- Bone and bones**
- Clinical outcomes of Fränkel appliance therapy assessed with a counterpart analysis (Cevidanes et al). 2003;123:379-87
- Correlation of replicating cells and osteogenesis in the glenoid fossa during stepwise advancement (Rabie et al). 2003;123:521-6
- The effect of anabolic steroids on mandibular growth (Gebhardt and Pancherz). 2003;123:435-40
- An innovative orthodontic-prosthetic approach for a patient with dental and skeletal asymmetry (Gazit-Rappaport et al). 2003;123:185-91 (Case rep.)
- Long-term effects of Class III treatment with rapid maxillary expansion and facemask therapy followed by fixed appliances (Westwood et al). 2003;123:306-20
- Long-term follow-up of Class II adults treated with orthodontic camouflage: a comparison with orthognathic surgery outcomes (Mihalik et al). 2003;123:266-78
- Relationship between transverse dental anomalies and skeletal asymmetry (Kusayama et al). 2003;123:329-37
- The transfer of occlusal forces through the maxillary molars: a finite element study (Cattaneo et al). 2003;123:367-73
- Bone regeneration**
- Guided bone regeneration to repair an osseous defect (Carvalho et al). 2003;123:455-67 (Case rep.)
- Bone remodeling**
- Effect of Herbst treatment on temporomandibular joint morphology: a systematic literature review (Popowich et al). 2003;123:388-94 (Review article)
- Bone screws**
- Intrusion of posterior teeth using mini-screw implants (Park et al). 2003;123:690-4 (Clin. corner)
- Bone transplantation**
- Guided bone regeneration to repair an osseous defect (Carvalho et al). 2003;123:455-67 (Case rep.)
- Burs**
- Influence of various surface-conditioning methods on the bond strength of metal brackets to ceramic surfaces (Schmage et al). 2003;123:540-6
- C**
- Camouflage treatment**
- Camouflage might not mean compromise (Turpin). 2003;123:241 (Editorial)
- Long-term follow-up of Class II adults treated with orthodontic camouflage: a comparison with orthognathic surgery outcomes (Mihalik et al). 2003;123:266-78
- Canada**
- Job satisfaction among Canadian orthodontists (Roth et al). 2003;123:695-700
- Canine tooth; see Cuspid**
- Caries**
- Effect of sustained-release chlorhexidine varnish on *Streptococcus mutans* and *Actinomyces viscosus* in orthodontic patients (Beyth et al). 2003;123:345-8 (Short communication)
- Cartilage**
- Functional appliance therapy accelerates and enhances condylar growth (Rabie et al). 2003;123:40-8
- Lateral functional shift of the mandible: part I. Effects on condylar cartilage thickness and proliferation (Fuentes et al). 2003;123:153-9
- Lateral functional shift of the mandible: part II. Effects on gene expression in condylar cartilage (Fuentes et al). 2003;123:160-6
- Case reports**
- Congenitally missing mandibular second premolar: treatment outcome with orthodontic space closure (Fines et al). 2003;123:676-82
- Dental distraction for an adult patient (Bilodeau). 2003;123:683-9
- Ectopic eruption and severe root resorption (Saldarriaga and Patiño). 2003;123:259-65
- Facemask therapy with rigid anchorage in a patient with maxillary hypoplasia and severe oligodontia (Enacar et al). 2003;123:571-7
- An innovative orthodontic-prosthetic approach for a patient with dental and skeletal asymmetry (Gazit-Rappaport et al). 2003;123:185-91
- Unrupted maxillary central and lateral incisors and canine with crossbite and asymmetry (Sato and Mitani). 2003;123:87-92
- Unusual orthodontic retreatment (Janson et al). 2003;123:468-75
- Cements**
- Evaluation of a new 2-paste glass ionomer cement (Komori and Kojima). 2003;123:649-52
- In vitro comparison of orthodontic band cements (Millett et al). 2003;123:15-20
- Cephalography**
- Assessment of facial asymmetries from posteroanterior cephalograms: validity of reference lines (Trpkova et al). 2003;123:512-20
- Cephalometry**
- Activator versus cervical headgear: superimpositional cephalometric comparison (Haralabakis et al). 2003;123:296-305
- Maxillary molar distalization or mandibular enhancement: a cephalometric comparison of comprehensive orthodontic treatment including the pendulum and the Herbst appliances (Burkhardt et al). 2003;123:108-16
- Panoramic radiographs: a tool for investigating skeletal pattern (Akcam et al). 2003;123:175-81
- Predictive value of morphologic parameters for successful correction of Class II Division 2 malocclusion (Zentner et al). 2003;123:279-85
- Ceramics**
- Influence of various surface-conditioning methods on the bond strength of metal brackets to ceramic surfaces (Schmage et al). 2003;123:540-6
- Laser debonding of ceramic brackets: a comprehensive review (Azzeah and Feldon). 2003;123:79-83 (Review article)
- Tensile bond strength of ceramic brackets bonded to porcelain facets (Harari et al). 2003;123:551-4
- Cervical vertebral maturation**
- Long-term effects of Class III treatment with rapid maxillary expansion and facemask therapy followed by fixed appliances (Westwood et al). 2003;123:306-20
- Cheek**
- Effects of upper lip closing force on craniofacial structures (Jung et al). 2003;123:58-63
- Child**
- Incisor trauma and early treatment for Class II Division 1 malocclusion (Koroluk et al). 2003;123:117-26
- Chin**
- Bialveolar protrusion in a Zimbabwean sample (Dandajena and Nanda). 2003;123:133-7
- Chincup; see Extraoral traction appliances**
- Chlorhexidine**
- Effect of sustained-release chlorhexidine varnish on *Streptococcus mutans* and *Actinomyces viscosus* in orthodontic patients (Beyth et al). 2003;123:345-8 (Short communication)
- Clinician's corner**
- Intrusion of posterior teeth using mini-screw implants (Park et al). 2003;123:690-4

Segmental odontomaxillary dysplasia: an unusual orthodontic challenge (Drake). 2003;123:84-6

**Compensative curve**

A comparative evaluation of different compensating curves in the lingual and labial techniques using 3D FEM (Sung et al). 2003;123:441-50

**Composite resins**

Bond failure and decalcification: a comparison of a cyanoacrylate and a composite resin bonding system in vivo (Le et al). 2003;123:624-7

Bond failure patterns in vivo (Linklater and Gordon). 2003;123:534-9

Comparison of in vivo and in vitro shear bond strength (Murray and Hobson). 2003;123:2-9

Effect of thermocycling on the shear bond strength of a cyanoacrylate orthodontic adhesive (Bishara et al). 2003;123:21-4

In vitro comparison of orthodontic band cements (Millett et al). 2003;123:15-20

**Computers**

The office technology backbone (Ulrich). 2003;123:703-6 (Techno bytes)

Reliability and validity of a computer-based Little irregularity index (Tran et al). 2003;123:349-51 (Techno bytes)

**Confidentiality**

Protecting the privacy of your patients (Turpin). 2003;123:593 (Editorial)

**Contamination**

The effect of blood contamination on the shear bond strength of orthodontic brackets with the use of a new self-etch primer (Oonsombat et al). 2003;123:547-50

Effect of water and saliva contamination on shear bond strength of brackets bonded with conventional, hydrophilic, and self-etching primers (Cacciafesta et al). 2003;123:633-40

**Corrections**

In search of anatomic truth: 3-dimensional digital modeling and the future of orthodontics (Harrell et al) (2002;122:325-30). 2003;123:93

**Counterpart analysis**

Clinical outcomes of Fränkel appliance therapy assessed with a counterpart analysis (Cevdanes et al). 2003;123:379-87

**Craniofacial abnormalities**

Effects of upper lip closing force on craniofacial structures (Jung et al). 2003;123:58-63

Longitudinal changes in craniofacial factors among snoring and nonsnoring Bolton-Brush study participants (Nelson et al). 2003;123:338-44

**Cranio-mandibular disorders**

Effect of Herbst treatment on temporomandibular joint morphology: a systematic literature review (Popowich et al). 2003;123:388-94 (Review article)

Prevalence of otologic complaints in patients with temporomandibular disorder (Tuz et al). 2003;123:620-3

**Creekmore, TD**

Thomas D. Creekmore, 1931-2002 (Alger). 2003;123:359 (In memoriam)

**Critical contact angle**

Three-dimensional relationship between the critical contact angle and the torque angle (Kang et al). 2003;123:64-73

**Crossbite**

Unerrupted maxillary central and lateral incisors and canine with crossbite and asymmetry (Sato and Mitani). 2003;123:87-92 (Case rep.)

**Crowding; see Malocclusion**

**Crowns**

Influence of various surface-conditioning methods on the bond strength of metal brackets to ceramic surfaces (Schmage et al). 2003;123:540-6

**Cuspid**

Arch width after extraction and nonextraction treatment (Gianelly). 2003;123:25-8

A comparative evaluation of different compensating curves in the lingual and labial techniques using 3D FEM (Sung et al). 2003;123:441-50

Dental distraction for an adult patient (Bilodeau). 2003;123:683-9 (Case rep.)

Ectopic eruption and severe root resorption (Saldarriaga and Patiño). 2003;123:259-65 (Case rep.)

Unerrupted maxillary central and lateral incisors and canine with crossbite and asymmetry (Sato and Mitani). 2003;123:87-92 (Case rep.)

**Cyanoacrylates**

Bond failure and decalcification: a comparison of a cyanoacrylate and a composite resin bonding system in vivo (Le et al). 2003;123:624-7

Effect of thermocycling on the shear bond strength of a cyanoacrylate orthodontic adhesive (Bishara et al). 2003;123:21-4

**D**

**Debonding**

Laser debonding of ceramic brackets: a comprehensive review (Azzeh and Feldon). 2003;123:79-83 (Review article)

**Decalcification**

Bond failure and decalcification: a comparison of a cyanoacrylate and a composite resin bonding system in vivo (Le et al). 2003;123:624-7

**Decay; see Caries**

**Deciduous dentition; see Dentition, primary**

**Deglutition**

Tongue pressure on loop of transpalatal arch during deglutition (Chiba et al). 2003;123:29-34

**Demineralization**

In vivo inhibition of demineralization around orthodontic brackets (Gorton and Featherstone). 2003;123:10-4

**Dental anomalies**

Relationship between transverse dental anomalies and skeletal asymmetry (Kusayama et al). 2003;123:329-37

**Dental arch**

Arch width after extraction and nonextraction treatment (Gianelly). 2003;123:25-8

Incisor crown shape and crowding (Shah et al). 2003;123:562-7

Three-dimensional relationship between the critical contact angle and the torque angle (Kang et al). 2003;123:64-73

Tooth size-arch length relationships in the deciduous dentition: a comparison between contemporary and historical samples (Warren et al). 2003;123:614-9

**Dental caries; see Caries**

**Dental plaque**

Effect of sustained-release chlorhexidine varnish on *Streptococcus mutans* and *Actinomyces viscosus* in orthodontic patients (Beyth et al). 2003;123:345-8 (Short communication)

**Dentition, primary**

Tooth size-arch length relationships in the deciduous dentition: a comparison between contemporary and historical samples (Warren et al). 2003;123:614-9

**Dentifrice**

In vivo inhibition of demineralization around orthodontic brackets (Gorton and Featherstone). 2003;123:10-4

**Denture, partial, fixed**

Influence of various surface-conditioning methods on the bond strength of metal brackets to ceramic surfaces (Schmage et al). 2003;123:540-6

**Diabetes mellitus**

Orthodontic treatment considerations in patients with diabetes mellitus (Bensch et al). 2003;123:74-8 (Review article)

**Diagnostic imaging**

Panoramic radiographs: a tool for investigating skeletal pattern (Akcam et al). 2003;123:175-81

Pathologic findings in orthodontic radiographic images (Kuhlberg and Norton). 2003;123:182-4 (Short communication)

**Diamond burs**

Influence of various surface-conditioning methods on the bond strength of metal brackets to ceramic surfaces (Schmage et al). 2003;123:540-6

**Diastema**

Familial correlations and heritability of maxillary midline diastema (Gass et al). 2003;123:35-9

**Difficult treatment**

Factors associated with orthodontists' assessment of difficulty (Cassinelli et al). 2003;123:497-502

**Distraction**

Dental distraction for an adult patient (Bilodeau). 2003;123:683-9 (Case rep.)

**Dogs**

Orthodontic movement of teeth with intraosseous defects: histologic and histometric study in dogs (Cirelli et al). 2003;123:666-75

**Dysplasia**

Segmental odontomaxillary dysplasia: an unusual orthodontic challenge (Drake). 2003;123:84-6 (Clin. corner)

**E****Earache**

Prevalence of otologic complaints in patients with temporomandibular disorder (Tuz et al). 2003;123:620-3

**Economics**

Manpower and the changing economy (Turpin). 2003;123:1 (Editorial)

**Ectopic eruption; see Tooth eruption, ectopic****Editorials**

AAO looks to the future (Turpin). 2003;123:365-6  
Camouflage might not mean compromise (Turpin). 2003;123:241  
Defining the future of orthodontic research (Turpin). 2003;123:487-8  
Manpower and the changing economy (Turpin). 2003;123:1  
The myth of Janus: orthodontic progress faces orthodontic history (Ackerman). 2003;123:594-6  
Navigating the future...a voyage of discovery (Turpin). 2003;123:107  
Protecting the privacy of your patients (Turpin). 2003;123:593

**Education, continuing**

Bond failure patterns in vivo (Linklater and Gordon). 2003;123:534-9  
Can previously bleached teeth be bonded safely? (Uysal et al). 2003;123:628-32  
Comparison of peer assessment ratings (PAR) from 1-phase and 2-phase treatment protocols for Class II malocclusions (King et al). 2003;123:489-96  
Comparison of skeletal and dental changes between 2-point and 4-point rapid palatal expanders (Lamparski et al). 2003;123:321-8  
Distal molar movement with Kloehe headgear: is it stable? (Melsen and Dalstra). 2003;123:374-8  
Ectopic eruption and severe root resorption (Saldarriaga and Patiño). 2003;123:259-65 (Case rep.)  
The effect of blood contamination on the shear bond strength of orthodontic brackets with the use of a new self-etch primer (Oonsombat et al). 2003;123:547-50  
Effects of high-speed curing devices on shear bond strength and microleakage of orthodontic brackets (James et al). 2003;123:555-61  
Expectation of treatment and satisfaction with dentofacial appearance in orthodontic patients (Bos et al). 2003;123:127-32  
Factors associated with orthodontists' assessment of difficulty (Cassinelli et al). 2003;123:497-502  
Genetic predisposition to external apical root resorption (Al-Qawasmi et al). 2003;123:242-52  
Guided bone regeneration to repair an osseous defect (Carvalho et al). 2003;123:455-67 (Case rep.)  
Incisor trauma and early treatment for Class II Division 1 malocclusion (Koroluk et al). 2003;123:117-26  
An innovative orthodontic-prosthetic approach for a patient with dental and skeletal asymmetry (Gazit-Rappaport et al). 2003;123:185-91 (Case rep.)  
Laser debonding of ceramic brackets: a comprehensive review (Azzeh and Feldon). 2003;123:79-83 (Review article)  
Long-term follow-up of Class II adults treated with orthodontic camouflage: a comparison with orthognathic surgery outcomes (Mihalik et al). 2003;123:266-78  
Orthodontic movement of teeth with intraosseous defects: histologic and histometric study in dogs (Cirelli et al). 2003;123:666-75  
Orthodontic treatment considerations in patients with diabetes mellitus (Bensch et al). 2003;123:74-8 (Review article)  
Outcome of orthodontic space closure with a missing maxillary central incisor (Czochrowska et al). 2003;123:597-603  
Prevalence of third molar impaction in orthodontic patients treated nonextraction and with extraction of 4 premolars (Kim et al). 2003;123:138-45  
Questions and registration forms (Muhl). 2003;123:94-5, 192-3, 354-5, 476-7  
Questions and registration forms (Rennert). 2003;123:582-3, 701-2

Tongue pressure on loop of transpalatal arch during deglutition (Chiba et al). 2003;123:29-34

Tooth size-arch length relationships in the deciduous dentition: a comparison between contemporary and historical samples (Warren et al). 2003;123:614-9

The transfer of occlusal forces through the maxillary molars: a finite element study (Cattaneo et al). 2003;123:367-73

Unerrupted maxillary central and lateral incisors and canine with crossbite and asymmetry (Sato and Mitani). 2003;123:87-92 (Case rep.)

**Elastics**

An in vitro comparison of 4 brands of nonlatex orthodontic elastics (Kersey et al). 2003;123:401-7

Long-term stability of skeletal Class III patients treated with splints, Class III elastics, and chin cup (Ferro et al). 2003;123:423-34

**Enamel**

Bond failure and decalcification: a comparison of a cyanoacrylate and a composite resin bonding system in vivo (Le et al). 2003;123:624-7

The effect of blood contamination on the shear bond strength of orthodontic brackets with the use of a new self-etch primer (Oonsombat et al). 2003;123:547-50

**Environmental factors**

Familial correlations and heritability of maxillary midline diastema (Gass et al). 2003;123:35-9

Field of dreams (Meister and Masella). 2003;123:352-3 (Special article)  
Genetic predisposition to external apical root resorption (Al-Qawasmi et al). 2003;123:242-52

**Epithelium**

Proliferation of epithelial rests of Malassez during experimental tooth movement (Talic et al). 2003;123:527-33

**Esthetics**

Determination of Holdaway soft tissue norms in Anatolian Turkish adults (Basciftci et al). 2003;123:395-400

Ectopic eruption and severe root resorption (Saldarriaga and Patiño). 2003;123:259-65 (Case rep.)

Expectation of treatment and satisfaction with dentofacial appearance in orthodontic patients (Bos et al). 2003;123:127-32

**Etching; see Acid etching****Ethnic groups**

Determination of Holdaway soft tissue norms in Anatolian Turkish adults (Basciftci et al). 2003;123:395-400

**Expert testimony**

Benedict Arnold as an expert witness (Jerrold). 2003;123:707-8 (Litigation/legis./ethics)

Subjective expert opinion evidence (Jerrold). 2003;123:96-8 (Litigation/legis./ethics)

**External apical root resorption; see Root resorption****Extraction; see Tooth extraction****Extraoral traction appliances**

Activator versus cervical headgear: superimpositional cephalometric comparison (Haralabakis et al). 2003;123:296-305

Comparison of peer assessment ratings (PAR) from 1-phase and 2-phase treatment protocols for Class II malocclusions (King et al). 2003;123:489-96

Distal molar movement with Kloehe headgear: is it stable? (Melsen and Dalstra). 2003;123:374-8

Incisor trauma and early treatment for Class II Division 1 malocclusion (Koroluk et al). 2003;123:117-26

Long-term stability of skeletal Class III patients treated with splints, Class III elastics, and chin cup (Ferro et al). 2003;123:423-34

The transfer of occlusal forces through the maxillary molars: a finite element study (Cattaneo et al). 2003;123:367-73

Treatment effects of the mandibular anterior repositioning appliance on patients with Class II malocclusion (Pangrazio-Kulbersh et al). 2003;123:286-95

**F****Face**

Clinical outcomes of Fränkel appliance therapy assessed with a counterpart analysis (Cevdanes et al). 2003;123:379-87



Expectation of treatment and satisfaction with dentofacial appearance in orthodontic patients (Bos et al). 2003;123:127-32

#### Facemask therapy

Facemask therapy with rigid anchorage in a patient with maxillary hypoplasia and severe oligodontia (Enacar et al). 2003;123:571-7 (Case rep.)

Long-term effects of Class III treatment with rapid maxillary expansion and facemask therapy followed by fixed appliances (Westwood et al). 2003;123:306-20

#### Facial asymmetry

Assessment of facial asymmetries from posteroanterior cephalograms: validity of reference lines (Trpkova et al). 2003;123:512-20

Comparison of radiographic and photographic measurement of mandibular asymmetry (Edler et al). 2003;123:167-74

An innovative orthodontic-prosthetic approach for a patient with dental and skeletal asymmetry (Gazit-Rappaport et al). 2003;123:185-91 (Case rep.)

Panoramic radiographs: a tool for investigating skeletal pattern (Akcem et al). 2003;123:175-81

Relationship between transverse dental anomalies and skeletal asymmetry (Kusayama et al). 2003;123:329-37

Unrupted maxillary central and lateral incisors and canine with crossbite and asymmetry (Sato and Mitani). 2003;123:87-92 (Case rep.)

#### Facial bones

The transfer of occlusal forces through the maxillary molars: a finite element study (Cattaneo et al). 2003;123:367-73

#### Facial profile

Bialveolar protrusion in a Zimbabwean sample (Dandajena and Nanda). 2003;123:133-7

#### Familial patterns

Familial correlations and heritability of maxillary midline diastema (Gass et al). 2003;123:35-9

#### Fibroblast growth factor

Lateral functional shift of the mandible: part II. Effects on gene expression in condylar cartilage (Fuentes et al). 2003;123:160-6

#### Finite element model

A comparative evaluation of different compensating curves in the lingual and labial techniques using 3D FEM (Sung et al). 2003;123:441-50

A nonlinear finite element analysis of the periodontal ligament under orthodontic tooth loading (Toms and Eberhardt). 2003;123:657-65

The transfer of occlusal forces through the maxillary molars: a finite element study (Cattaneo et al). 2003;123:367-73

#### Fluorides

Evaluation of a new 2-paste glass ionomer cement (Komori and Kojima). 2003;123:649-52

In vivo inhibition of demineralization around orthodontic brackets (Gorton and Featherstone). 2003;123:10-4

Surface changes induced by fluoride prophylactic agents on titanium-based orthodontic wires (Watanabe and Watanabe). 2003;123:653-6

#### Follow-up studies

Long-term follow-up of Class II adults treated with orthodontic camouflage: a comparison with orthognathic surgery outcomes (Mihalik et al). 2003;123:266-78

#### Forecasting

Paying it forward: an orthodontist's responsibility for possible future injuries (Jerrold). 2003;123:356-8 (Litigation/legis/ethics)

#### Fränkel appliance; see Orthodontic appliances, functional

#### Friction

Clinical ligation forces and intraoral friction during sliding on a stainless steel archwire (Iwasaki et al). 2003;123:408-15

The effect of ligation method on friction in sliding mechanics (Hain et al). 2003;123:416-22

#### Functional appliance; see Orthodontic appliances, functional

## G

#### Gene expression

Lateral functional shift of the mandible: part II. Effects on gene expression in condylar cartilage (Fuentes et al). 2003;123:160-6

#### Genetics

Familial correlations and heritability of maxillary midline diastema (Gass et al). 2003;123:35-9

Field of dreams (Meister and Masella). 2003;123:352-3 (Special article)

Genetic predisposition to external apical root resorption (Al-Qawasmi et al). 2003;123:242-52

#### Gingiva

Comparison of skeletal and dental changes between 2-point and 4-point rapid palatal expanders (Lamparski et al). 2003;123:321-8

#### Glass ionomer cements

Evaluation of a new 2-paste glass ionomer cement (Komori and Kojima). 2003;123:649-52

In vitro comparison of orthodontic band cements (Millett et al). 2003;123:15-20

#### Growth and development

Clinical outcomes of Fränkel appliance therapy assessed with a counterpart analysis (Cevidanes et al). 2003;123:379-87

Correlation of replicating cells and osteogenesis in the glenoid fossa during stepwise advancement (Rabie et al). 2003;123:521-6

The effect of anabolic steroids on mandibular growth (Gebhardt and Pancherz). 2003;123:435-40

Functional appliance therapy accelerates and enhances condylar growth (Rabie et al). 2003;123:40-8

Lateral functional shift of the mandible: part I. Effects on condylar cartilage thickness and proliferation (Fuentes et al). 2003;123:153-9

Lateral functional shift of the mandible: part II. Effects on gene expression in condylar cartilage (Fuentes et al). 2003;123:160-6

Long-term stability of skeletal Class III patients treated with splints, Class III elastics, and chin cup (Ferro et al). 2003;123:423-34

Replicating mesenchymal cells in the condyle and the glenoid fossa during mandibular forward positioning (Rabie et al). 2003;123:49-57

#### Guest editorials

The myth of Janus: orthodontic progress faces orthodontic history (Ackerman). 2003;123:594-6

#### Guided bone regeneration

Guided bone regeneration to repair an osseous defect (Carvalho et al). 2003;123:455-67 (Case rep.)

## H

#### Habits

Genetic predisposition to external apical root resorption (Al-Qawasmi et al). 2003;123:242-52

#### Halogen curing

Effects of fast halogen and plasma arc curing lights on the surface hardness of orthodontic adhesives for lingual retainers (Ümez et al). 2003;123:641-8

#### Hawaii

Navigating the future...a voyage of discovery (Turpin). 2003;123:107 (Editorial)

#### Headgear; see Extraoral traction appliances

#### Hearing loss

Prevalence of otologic complaints in patients with temporomandibular disorder (Tuz et al). 2003;123:620-3

#### Herbst appliance; see Orthodontic appliances, functional

#### Heredit

Familial correlations and heritability of maxillary midline diastema (Gass et al). 2003;123:35-9

Genetic predisposition to external apical root resorption (Al-Qawasmi et al). 2003;123:242-52

#### History

The myth of Janus: orthodontic progress faces orthodontic history (Ackerman). 2003;123:594-6 (Guest editorial)

#### Holdaway standards

Determination of Holdaway soft tissue norms in Anatolian Turkish adults (Basciftci et al). 2003;123:395-400

#### Hydrofluoric acid

Tensile bond strength of ceramic brackets bonded to porcelain facets (Harari et al). 2003;123:551-4

#### Hydrogen peroxide

Can previously bleached teeth be bonded safely? (Uysal et al). 2003;123:628-32

#### Hypoplasia

Facemask therapy with rigid anchorage in a patient with maxillary

hypoplasia and severe oligodontia (Enacar et al). 2003;123:571-7 (Case rep.)

## I

**Impacted tooth; see Tooth, impacted****Implants**

Intrusion of posterior teeth using mini-screw implants (Park et al). 2003;123:690-4 (Clin. corner)

**In memoriam**

Thomas D. Creekmore, 1931-2002 (Alger). 2003;123:359

**Incisor**

Bialveolar protrusion in a Zimbabwean sample (Dandajena and Nanda). 2003;123:133-7

Dental distraction for an adult patient (Bilodeau). 2003;123:683-9 (Case rep.)

Ectopic eruption and severe root resorption (Saldarriaga and Patiño). 2003;123:259-65 (Case rep.)

Effects of upper lip closing force on craniofacial structures (Jung et al). 2003;123:58-63

Genetic predisposition to external apical root resorption (Al-Qawasmi et al). 2003;123:242-52

Incisor crown shape and crowding (Shah et al). 2003;123:562-7

Incisor trauma and early treatment for Class II Division I malocclusion (Koroluk et al). 2003;123:117-26

Outcome of orthodontic space closure with a missing maxillary central incisor (Czochrowska et al). 2003;123:597-603

Peg-shaped and small lateral incisors not at higher risk for root resorption (Kook et al). 2003;123:253-8

Reliability and validity of a computer-based Little irregularity index (Tran et al). 2003;123:349-51 (Techno bytes)

Treatment effects of the mandibular anterior repositioning appliance on patients with Class II malocclusion (Pangrazio-Kulbersh et al). 2003;123:286-95

Unerrupted maxillary central and lateral incisors and canine with crossbite and asymmetry (Sato and Mitani). 2003;123:87-92 (Case rep.)

**Inclinometer**

Reproducibility of natural head position measured with an inclinometer (Ümez and Orhan). 2003;123:451-4 (Short communication)

**Index of orthodontic treatment need**

Factors associated with orthodontists' assessment of difficulty (Cassinelli et al). 2003;123:497-502

**Insulin-like growth factor-1**

Lateral functional shift of the mandible: part II. Effects on gene expression in condylar cartilage (Fuentes et al). 2003;123:160-6

**Interleukin-1**

Genetic predisposition to external apical root resorption (Al-Qawasmi et al). 2003;123:242-52

**Internal derangement**

Prevalence of otologic complaints in patients with temporomandibular disorder (Tuz et al). 2003;123:620-3

**Intraosseous defects**

Orthodontic movement of teeth with intraosseous defects: histologic and histometric study in dogs (Cirelli et al). 2003;123:666-75

**Intrusion**

Intrusion of posterior teeth using mini-screw implants (Park et al). 2003;123:690-4 (Clin. corner)

## J

**Job satisfaction**

Job satisfaction among Canadian orthodontists (Roth et al). 2003;123:695-700

**Jurisprudence**

Benedict Arnold as an expert witness (Jerrold). 2003;123:707-8 (Litigation/legis/ethics)

Inferences, presumptions, and certainties (Jerrold). 2003;123:194-5 (Litigation/legis/ethics)

Paying it forward: an orthodontist's responsibility for possible future injuries (Jerrold). 2003;123:356-8 (Litigation/legis/ethics)

Perception is reality (Jerrold). 2003;123:478-9 (Litigation/legis/ethics)

A road well traveled (Jerrold). 2003;123:584-5 (Litigation/legis/ethics)

Subjective expert opinion evidence (Jerrold). 2003;123:96-8 (Litigation/legis/ethics)

## K

**Kloehn headgear; see Extraoral traction appliances**

## L

**Labial orthodontic technique**

A comparative evaluation of different compensating curves in the lingual and labial techniques using 3D FEM (Sung et al). 2003;123:441-50

**Lasers**

Effects of high-speed curing devices on shear bond strength and microleakage of orthodontic brackets (James et al). 2003;123:555-61

Laser debonding of ceramic brackets: a comprehensive review (Azzeh and Feldon). 2003;123:79-83 (Review article)

**Law; see Jurisprudence****Leakage**

Effects of high-speed curing devices on shear bond strength and microleakage of orthodontic brackets (James et al). 2003;123:555-61

**Liability, legal**

Inferences, presumptions, and certainties (Jerrold). 2003;123:194-5 (Litigation/legis/ethics)

Paying it forward: an orthodontist's responsibility for possible future injuries (Jerrold). 2003;123:356-8 (Litigation/legis/ethics)

Perception is reality (Jerrold). 2003;123:478-9 (Litigation/legis/ethics)

**Ligation**

Clinical ligation forces and intraoral friction during sliding on a stainless steel archwire (Iwasaki et al). 2003;123:408-15

The effect of ligation method on friction in sliding mechanics (Hain et al). 2003;123:416-22

**Light curing**

Effects of fast halogen and plasma arc curing lights on the surface hardness of orthodontic adhesives for lingual retainers (Ümez et al). 2003;123:641-8

Effects of high-speed curing devices on shear bond strength and microleakage of orthodontic brackets (James et al). 2003;123:555-61

**Lingual orthodontic technique**

A comparative evaluation of different compensating curves in the lingual and labial techniques using 3D FEM (Sung et al). 2003;123:441-50

**Linkage disequilibrium**

Genetic predisposition to external apical root resorption (Al-Qawasmi et al). 2003;123:242-52

**Lip**

Effects of upper lip closing force on craniofacial structures (Jung et al). 2003;123:58-63

**Literature review**

Effect of Herbst treatment on temporomandibular joint morphology: a systematic literature review (Popowich et al). 2003;123:388-94 (Review article)

**Little irregularity index**

Reliability and validity of a computer-based Little irregularity index (Tran et al). 2003;123:349-51 (Techno bytes)

## M

**Malocclusion**

Factors associated with orthodontists' assessment of difficulty (Cassinelli et al). 2003;123:497-502

Familial correlations and heritability of maxillary midline diastema (Gass et al). 2003;123:35-9

Guided bone regeneration to repair an osseous defect (Carvalho et al). 2003;123:455-67 (Case rep.)

Incisor crown shape and crowding (Shah et al). 2003;123:562-7

Tooth size-arch length relationships in the deciduous dentition: a comparison between contemporary and historical samples (Warren et al). 2003;123:614-9

**Malocclusion, Angle Class II**

Activator versus cervical headgear: superimpositional cephalometric comparison (Haralabakis et al). 2003;123:296-305

Camouflage might not mean compromise (Turpin). 2003;123:241 (Editorial)

- Clinical outcomes of Fränkel appliance therapy assessed with a counterpart analysis (Cevdanes et al). 2003;123:379-87
- Comparison of peer assessment ratings (PAR) from 1-phase and 2-phase treatment protocols for Class II malocclusions (King et al). 2003;123:489-96
- Distal molar movement with Kloehe headgear: is it stable? (Melsen and Dalstra). 2003;123:374-8
- Effect of Herbst treatment on temporomandibular joint morphology: a systematic literature review (Popowich et al). 2003;123:388-94 (Review article)
- Incisor trauma and early treatment for Class II Division I malocclusion (Koroluk et al). 2003;123:117-26
- Long-term follow-up of Class II adults treated with orthodontic camouflage: a comparison with orthognathic surgery outcomes (Mihalik et al). 2003;123:266-78
- Maxillary molar distalization or mandibular enhancement: a cephalometric comparison of comprehensive orthodontic treatment including the pendulum and the Herbst appliances (Burkhardt et al). 2003;123:108-16
- Predictive value of morphologic parameters for successful correction of Class II Division 2 malocclusion (Zentner et al). 2003;123:279-85
- Treatment effects of the mandibular anterior repositioning appliance on patients with Class II malocclusion (Pangrazio-Kulbersh et al). 2003;123:286-95
- Unusual orthodontic retreatment (Janson et al). 2003;123:468-75 (Case rep.)
- Malocclusion, Angle Class III**
- Long-term effects of Class III treatment with rapid maxillary expansion and facemask therapy followed by fixed appliances (Westwood et al). 2003;123:306-20
- Long-term stability of skeletal Class III patients treated with splints, Class III elastics, and chin cup (Ferro et al). 2003;123:423-34
- Malpractice**
- Perception is reality (Jerrold). 2003;123:478-9 (Litigation/legis./ethics)
- A road well traveled (Jerrold). 2003;123:584-5 (Litigation/legis./ethics)
- Subjective expert opinion evidence (Jerrold). 2003;123:96-8 (Litigation/legis./ethics)
- Mandible**
- Activator versus cervical headgear: superimpositional cephalometric comparison (Haralabakis et al). 2003;123:296-305
- Bialveolar protrusion in a Zimbabwean sample (Dandajena and Nanda). 2003;123:133-7
- Clinical outcomes of Fränkel appliance therapy assessed with a counterpart analysis (Cevdanes et al). 2003;123:379-87
- A comparative evaluation of different compensating curves in the lingual and labial techniques using 3D FEM (Sung et al). 2003;123:441-50
- Comparison of radiographic and photographic measurement of mandibular asymmetry (Edler et al). 2003;123:167-74
- Condyle-fossa modifications and muscle interactions during Herbst treatment, part I. New technological methods (Voudouris et al). 2003;123:604-13
- Congenitally missing mandibular second premolar: treatment outcome with orthodontic space closure (Fines et al). 2003;123:676-82 (Case rep.)
- Determination of Holdaway soft tissue norms in Anatolian Turkish adults (Basciftci et al). 2003;123:395-400
- The effect of anabolic steroids on mandibular growth (Gebhardt and Pancherz). 2003;123:435-40
- Effects of upper lip closing force on craniofacial structures (Jung et al). 2003;123:58-63
- Functional appliance therapy accelerates and enhances condylar growth (Rabie et al). 2003;123:40-8
- Incisor crown shape and crowding (Shah et al). 2003;123:562-7
- Lateral functional shift of the mandible: part I. Effects on condylar cartilage thickness and proliferation (Fuentes et al). 2003;123:153-9
- Lateral functional shift of the mandible: part II. Effects on gene expression in condylar cartilage (Fuentes et al). 2003;123:160-6
- Long-term effects of Class III treatment with rapid maxillary expansion and facemask therapy followed by fixed appliances (Westwood et al). 2003;123:306-20
- Long-term stability of skeletal Class III patients treated with splints, Class III elastics, and chin cup (Ferro et al). 2003;123:423-34
- Maxillary molar distalization or mandibular enhancement: a cephalometric comparison of comprehensive orthodontic treatment including the pendulum and the Herbst appliances (Burkhardt et al). 2003;123:108-16
- Panoramic radiographs: a tool for investigating skeletal pattern (Akcam et al). 2003;123:175-81
- Relationship between transverse dental anomalies and skeletal asymmetry (Kusayama et al). 2003;123:329-37
- Reliability and validity of a computer-based Little irregularity index (Tran et al). 2003;123:349-51 (Techno bytes)
- Replicating mesenchymal cells in the condyle and the glenoid fossa during mandibular forward positioning (Rabie et al). 2003;123:49-57
- Treatment effects of the mandibular anterior repositioning appliance on patients with Class II malocclusion (Pangrazio-Kulbersh et al). 2003;123:286-95
- Manpower**
- Manpower and the changing economy (Turpin). 2003;123:1 (Editorial)
- Mastication**
- Clinical ligation forces and intraoral friction during sliding on a stainless steel archwire (Iwasaki et al). 2003;123:408-15
- Maxilla**
- Activator versus cervical headgear: superimpositional cephalometric comparison (Haralabakis et al). 2003;123:296-305
- Bialveolar protrusion in a Zimbabwean sample (Dandajena and Nanda). 2003;123:133-7
- Dental distraction for an adult patient (Bilodeau). 2003;123:683-9 (Case rep.)
- Determination of Holdaway soft tissue norms in Anatolian Turkish adults (Basciftci et al). 2003;123:395-400
- Ectopic eruption and severe root resorption (Saldarriaga and Patiño). 2003;123:259-65 (Case rep.)
- Effects of upper lip closing force on craniofacial structures (Jung et al). 2003;123:58-63
- Facemask therapy with rigid anchorage in a patient with maxillary hypoplasia and severe oligodontia (Enacar et al). 2003;123:571-7 (Case rep.)
- Familial correlations and heritability of maxillary midline diastema (Gass et al). 2003;123:35-9
- Long-term effects of Class III treatment with rapid maxillary expansion and facemask therapy followed by fixed appliances (Westwood et al). 2003;123:306-20
- Maxillary molar distalization or mandibular enhancement: a cephalometric comparison of comprehensive orthodontic treatment including the pendulum and the Herbst appliances (Burkhardt et al). 2003;123:108-16
- Outcome of orthodontic space closure with a missing maxillary central incisor (Czochrowska et al). 2003;123:597-603
- Peg-shaped and small lateral incisors not at higher risk for root resorption (Kook et al). 2003;123:253-8
- Relationship between transverse dental anomalies and skeletal asymmetry (Kusayama et al). 2003;123:329-37
- Segmental odontomaxillary dysplasia: an unusual orthodontic challenge (Drake). 2003;123:84-6 (Clin. corner)
- The transfer of occlusal forces through the maxillary molars: a finite element study (Cattaneo et al). 2003;123:367-73
- Treatment effects of the mandibular anterior repositioning appliance on patients with Class II malocclusion (Pangrazio-Kulbersh et al). 2003;123:286-95
- Unerrupted maxillary central and lateral incisors and canine with crossbite and asymmetry (Sato and Mitani). 2003;123:87-92 (Case rep.)
- Mesenchyme; see Mesoderm**
- Mesoderm**
- Correlation of replicating cells and osteogenesis in the glenoid fossa during stepwise advancement (Rabie et al). 2003;123:521-6
- Replicating mesenchymal cells in the condyle and the glenoid fossa during mandibular forward positioning (Rabie et al). 2003;123:49-57
- Messenger RNA; see RNA, messenger**
- Metals**
- Influence of various surface-conditioning methods on the bond strength of metal brackets to ceramic surfaces (Schmage et al). 2003;123:540-6

**Microleakage**

Effects of high-speed curing devices on shear bond strength and microleakage of orthodontic brackets (James et al). 2003;123:555-61

**Molar**

Activator versus cervical headgear: superimpositional cephalometric comparison (Haralabakis et al). 2003;123:296-305  
Arch width after extraction and nonextraction treatment (Gianelly). 2003;123:25-8  
Comparison of skeletal and dental changes between 2-point and 4-point rapid palatal expanders (Lamparski et al). 2003;123:321-8  
Distal molar movement with Kloehe headgear: is it stable? (Melsen and Dalstra). 2003;123:374-8  
Genetic predisposition to external apical root resorption (Al-Qawsmi et al). 2003;123:242-52  
Intrusion of posterior teeth using mini-screw implants (Park et al). 2003;123:690-4 (Clin. corner)  
Maxillary molar distalization or mandibular enhancement: a cephalometric comparison of comprehensive orthodontic treatment including the pendulum and the Herbst appliances (Burkhardt et al). 2003;123:108-16  
The transfer of occlusal forces through the maxillary molars: a finite element study (Cattaneo et al). 2003;123:367-73

**Molar, third**

Prevalence of third molar impaction in orthodontic patients treated nonextraction and with extraction of 4 premolars (Kim et al). 2003;123:138-45

**Morphogenesis**

Field of dreams (Meister and Masella). 2003;123:352-3 (Special article)

**Mouth washes**

In vivo inhibition of demineralization around orthodontic brackets (Gorton and Featherstone). 2003;123:10-4

**mRNA; see RNA, messenger****Myofascial pain syndromes**

Prevalence of otologic complaints in patients with temporomandibular disorder (Tuz et al). 2003;123:620-3

**N****Natural head position**

Reproducibility of natural head position measured with an inclinometer (Ümez and Orhan). 2003;123:451-4 (Short communication)

**Nonextraction therapy**

Arch width after extraction and nonextraction treatment (Gianelly). 2003;123:25-8  
Prevalence of third molar impaction in orthodontic patients treated nonextraction and with extraction of 4 premolars (Kim et al). 2003;123:138-45

**O****Obituary**

Thomas D. Creekmore, 1931-2002 (Alger). 2003;123:359 (In memoriam)

**Obstructive sleep apnea; see Sleep apnea syndromes****Occlusion**

Factors associated with orthodontists' assessment of difficulty (Cassinelli et al). 2003;123:497-502  
Long-term effects of Class III treatment with rapid maxillary expansion and facemask therapy followed by fixed appliances (Westwood et al). 2003;123:306-20  
Predictive value of morphologic parameters for successful correction of Class II Division 2 malocclusion (Zentner et al). 2003;123:279-85  
Relationship between transverse dental anomalies and skeletal asymmetry (Kusayama et al). 2003;123:329-37  
The transfer of occlusal forces through the maxillary molars: a finite element study (Cattaneo et al). 2003;123:367-73

**Odontomaxillary dysplasia**

Segmental odontomaxillary dysplasia: an unusual orthodontic challenge (Drake). 2003;123:84-6 (Clin. corner)

**Oligodontia**

Facemask therapy with rigid anchorage in a patient with maxillary hypoplasia and severe oligodontia (Enacar et al). 2003;123:571-7 (Case rep.)

**Orbicularis oris muscle**

Effects of upper lip closing force on craniofacial structures (Jung et al). 2003;123:58-63

**Orofacial complex**

Field of dreams (Meister and Masella). 2003;123:352-3 (Special article)

**Orthodontic appliances**

Automated custom-manufacturing technology in orthodontics (Kuo and Miller). 2003;123:578-81 (Techno bytes)

Bond failure patterns in vivo (Linklater and Gordon). 2003;123:534-9

A comparative evaluation of different compensating curves in the lingual and labial techniques using 3D FEM (Sung et al). 2003;123:441-50

Comparison of in vivo and in vitro shear bond strength (Murray and Hobson). 2003;123:2-9

Comparison of skeletal and dental changes between 2-point and 4-point rapid palatal expanders (Lamparski et al). 2003;123:321-8

Distal molar movement with Kloehe headgear: is it stable? (Melsen and Dalstra). 2003;123:374-8

In vitro comparison of orthodontic band cements (Millett et al). 2003;123:15-20

In vivo inhibition of demineralization around orthodontic brackets (Gorton and Featherstone). 2003;123:10-4

Unusual orthodontic retreatment (Janson et al). 2003;123:468-75 (Case rep.)

**Orthodontic appliances, activator; see Activator appliances****Orthodontic appliances, functional**

Clinical outcomes of Fränkel appliance therapy assessed with a counterpart analysis (Cevdanes et al). 2003;123:379-87

Condyle-fossa modifications and muscle interactions during Herbst treatment, part 1. New technological methods (Voudouris et al). 2003;123:604-13

Effect of Herbst treatment on temporomandibular joint morphology: a systematic literature review (Popowich et al). 2003;123:388-94 (Review article)

Functional appliance therapy accelerates and enhances condylar growth (Rabie et al). 2003;123:40-8

Maxillary molar distalization or mandibular enhancement: a cephalometric comparison of comprehensive orthodontic treatment including the pendulum and the Herbst appliances (Burkhardt et al). 2003;123:108-16

Treatment effects of the mandibular anterior repositioning appliance on patients with Class II malocclusion (Pangrazio-Kulbersh et al). 2003;123:286-95

**Orthodontic bands**

Evaluation of a new 2-paste glass ionomer cement (Komori and Kojima). 2003;123:649-52

In vitro comparison of orthodontic band cements (Millett et al). 2003;123:15-20

**Orthodontic brackets**

Bond failure patterns in vivo (Linklater and Gordon). 2003;123:534-9

Can previously bleached teeth be bonded safely? (Uysal et al). 2003;123:628-32

Clinical ligation forces and intraoral friction during sliding on a stainless steel archwire (Iwasaki et al). 2003;123:408-15

Comparison of in vivo and in vitro shear bond strength (Murray and Hobson). 2003;123:2-9

The effect of blood contamination on the shear bond strength of orthodontic brackets with the use of a new self-etch primer (Oonsombat et al). 2003;123:547-50

The effect of ligation method on friction in sliding mechanics (Hain et al). 2003;123:416-22

Effect of sustained-release chlorhexidine varnish on *Streptococcus mutans* and *Actinomyces viscosus* in orthodontic patients (Beyth et al). 2003;123:345-8 (Short communication)

Effect of water and saliva contamination on shear bond strength of brackets bonded with conventional, hydrophilic, and self-etching primers (Cacciatella et al). 2003;123:633-40

Effects of high-speed curing devices on shear bond strength and microleakage of orthodontic brackets (James et al). 2003;123:555-61

In vivo inhibition of demineralization around orthodontic brackets (Gorton and Featherstone). 2003;123:10-4

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Laser debonding of ceramic brackets: a comprehensive review (Azzeah and Feldon). 2003;123:79-83 (Review article)

- Speech performance in lingual orthodontic patients measured by sonography and auditive analysis (Hohoff et al). 2003;123:146-52
- Tensile bond strength of ceramic brackets bonded to porcelain facets (Harari et al). 2003;123:551-4
- Three-dimensional relationship between the critical contact angle and the torque angle (Kang et al). 2003;123:64-73
- Orthodontic elastics**
- An in vitro comparison of 4 brands of nonlatex orthodontic elastics (Kersey et al). 2003;123:401-7
- Long-term stability of skeletal Class III patients treated with splints, Class III elastics, and chin cup (Ferro et al). 2003;123:423-34
- Orthodontic wires**
- Clinical ligation forces and intraoral friction during sliding on a stainless steel archwire (Iwasaki et al). 2003;123:408-15
- Surface changes induced by fluoride prophylactic agents on titanium-based orthodontic wires (Watanabe and Watanabe). 2003;123:653-6
- Three-dimensional relationship between the critical contact angle and the torque angle (Kang et al). 2003;123:64-73
- Orthognathic surgery**
- Camouflage might not mean compromise (Turpin). 2003;123:241 (Editorial)
- Long-term follow-up of Class II adults treated with orthodontic camouflage: a comparison with orthognathic surgery outcomes (Mihalik et al). 2003;123:266-78
- Osseous defect**
- Guided bone regeneration to repair an osseous defect (Carvalho et al). 2003;123:455-67 (Case rep.)
- Osteogenesis**
- Correlation of replicating cells and osteogenesis in the glenoid fossa during stepwise advancement (Rabie et al). 2003;123:521-6
- Otalgia; see Earache**
- Outcome assessment**
- Camouflage might not mean compromise (Turpin). 2003;123:241 (Editorial)
- Clinical outcome monitoring program (COMP): a new application for use in orthodontic audits and research (Weerakone and Dhoptkar). 2003;123:503-11
- Clinical outcomes of Fränkel appliance therapy assessed with a counterpart analysis (Cevdanes et al). 2003;123:379-87
- Comparison of peer assessment ratings (PAR) from 1-phase and 2-phase treatment protocols for Class II malocclusions (King et al). 2003;123:489-96
- Congenitally missing mandibular second premolar: treatment outcome with orthodontic space closure (Fines et al). 2003;123:676-82 (Case rep.)
- Long-term effects of Class III treatment with rapid maxillary expansion and facemask therapy followed by fixed appliances (Westwood et al). 2003;123:306-20
- Long-term follow-up of Class II adults treated with orthodontic camouflage: a comparison with orthognathic surgery outcomes (Mihalik et al). 2003;123:266-78
- Outcome of orthodontic space closure with a missing maxillary central incisor (Czochrowska et al). 2003;123:597-603
- Predictive value of morphologic parameters for successful correction of Class II Division 2 malocclusion (Zentner et al). 2003;123:279-85

P

**Palatal expansion technique**

- Comparison of skeletal and dental changes between 2-point and 4-point rapid palatal expanders (Lamparski et al). 2003;123:321-8

**Palate**

- Tongue pressure on loop of transpalatal arch during deglutition (Chiba et al). 2003;123:29-34

**Panoramic radiography; see Radiography, panoramic**

**Patient care planning**

- Camouflage might not mean compromise (Turpin). 2003;123:241 (Editorial)

**Patient compliance**

- Unusual orthodontic retreatment (Janson et al). 2003;123:468-75 (Case rep.)

- On the use of personality characteristics in predicting compliance in orthodontic practice (Bos et al). 2003;123:568-70 (Short communication)

**Patient expectations**

- Expectation of treatment and satisfaction with dentofacial appearance in orthodontic patients (Bos et al). 2003;123:127-32

**Patient privacy; see Confidentiality**

**Patient satisfaction**

- Expectation of treatment and satisfaction with dentofacial appearance in orthodontic patients (Bos et al). 2003;123:127-32
- Long-term follow-up of Class II adults treated with orthodontic camouflage: a comparison with orthognathic surgery outcomes (Mihalik et al). 2003;123:266-78

**Peer assessment rating**

- Comparison of peer assessment ratings (PAR) from 1-phase and 2-phase treatment protocols for Class II malocclusions (King et al). 2003;123:489-96
- Factors associated with orthodontists' assessment of difficulty (Cassinelli et al). 2003;123:497-502

**Pendulum appliance; see Orthodontic appliances, functional**

**Periodontal ligament**

- A nonlinear finite element analysis of the periodontal ligament under orthodontic tooth loading (Toms and Eberhardt). 2003;123:657-65
- Proliferation of epithelial rests of Malassez during experimental tooth movement (Talic et al). 2003;123:527-33

**Perioral musculature**

- Effects of upper lip closing force on craniofacial structures (Jung et al). 2003;123:58-63

**Personality**

- On the use of personality characteristics in predicting compliance in orthodontic practice (Bos et al). 2003;123:568-70 (Short communication)

**Photography**

- Comparison of radiographic and photographic measurement of mandibular asymmetry (Edler et al). 2003;123:167-74

**Plasma arc curing**

- Effects of fast halogen and plasma arc curing lights on the surface hardness of orthodontic adhesives for lingual retainers (Ülmez et al). 2003;123:641-8

**Polymorphism**

- Genetic predisposition to external apical root resorption (Al-Qawasmli et al). 2003;123:242-52

**Porcelain**

- Tensile bond strength of ceramic brackets bonded to porcelain facets (Harari et al). 2003;123:551-4

**Predictive value of tests**

- Predictive value of morphologic parameters for successful correction of Class II Division 2 malocclusion (Zentner et al). 2003;123:279-85

**Premolar; see Bicuspid**

**Primary dentition; see Dentition, primary**

**Privacy; see Confidentiality**

**Prognathism**

- Bialveolar protrusion in a Zimbabwean sample (Dandajena and Nanda). 2003;123:133-7

**Proliferation**

- Lateral functional shift of the mandible: part II. Effects on gene expression in condylar cartilage (Fuentes et al). 2003;123:160-6

**Prophylaxis**

- Surface changes induced by fluoride prophylactic agents on titanium-based orthodontic wires (Watanabe and Watanabe). 2003;123:653-6

**Protraction therapy**

- Long-term effects of Class III treatment with rapid maxillary expansion and facemask therapy followed by fixed appliances (Westwood et al). 2003;123:306-20

**Protrusion**

- Bialveolar protrusion in a Zimbabwean sample (Dandajena and Nanda). 2003;123:133-7



## R

**Racial groups**

Determination of Holdaway soft tissue norms in Anatolian Turkish adults (Basciftci et al). 2003;123:395-400

**Radiography**

Comparison of radiographic and photographic measurement of mandibular asymmetry (Edler et al). 2003;123:167-74

Pathologic findings in orthodontic radiographic images (Kuhlberg and Norton). 2003;123:182-4 (Short communication)

**Radiography, panoramic**

Panoramic radiographs: a tool for investigating skeletal pattern (Akcem et al). 2003;123:175-81

**Rapid maxillary expansion**

Long-term effects of Class III treatment with rapid maxillary expansion and facemask therapy followed by fixed appliances (Westwood et al). 2003;123:306-20

**Rapid palatal expansion; see Palatal expansion technique****Rais**

The effect of anabolic steroids on mandibular growth (Gebhardt and Panherz). 2003;123:435-40

**Reference lines**

Assessment of facial asymmetries from posteroanterior cephalograms: validity of reference lines (Trpkova et al). 2003;123:512-20

**Regression analysis**

Panoramic radiographs: a tool for investigating skeletal pattern (Akcem et al). 2003;123:175-81

**Reliability and validity; see Reproducibility of results****Repositioning appliance; see Orthodontic appliances, functional****Reproducibility of results**

Assessment of facial asymmetries from posteroanterior cephalograms: validity of reference lines (Trpkova et al). 2003;123:512-20

Reliability and validity of a computer-based Little irregularity index (Tran et al). 2003;123:349-51 (Techno bytes)

Reproducibility of natural head position measured with an inclinometer (Ümez and Orhan). 2003;123:451-4 (Short communication)

**Research**

Clinical outcome monitoring program (COMP): a new application for use in orthodontic audits and research (Weerakone and Dhoptkar). 2003;123:503-11

Comparison of in vivo and in vitro shear bond strength (Murray and Hobson). 2003;123:2-9

Defining the future of orthodontic research (Turpin). 2003;123:487-8 (Editorial)

In vivo inhibition of demineralization around orthodontic brackets (Gorton and Featherstone). 2003;123:10-4

**Resins**

Bond failure and decalcification: a comparison of a cyanoacrylate and a composite resin bonding system in vivo (Le et al). 2003;123:624-7

Bond failure patterns in vivo (Linklater and Gordon). 2003;123:534-9

Comparison of in vivo and in vitro shear bond strength (Murray and Hobson). 2003;123:2-9

Effect of thermocycling on the shear bond strength of a cyanoacrylate orthodontic adhesive (Bishara et al). 2003;123:21-4

Evaluation of a new 2-paste glass ionomer cement (Komori and Kojima). 2003;123:649-52

In vitro comparison of orthodontic band cements (Millett et al). 2003;123:15-20

**Retainer**

Effects of fast halogen and plasma arc curing lights on the surface hardness of orthodontic adhesives for lingual retainers (Ümez et al). 2003;123:641-8

**Retention**

In vitro comparison of orthodontic band cements (Millett et al). 2003;123:15-20

**Retreatment**

Unusual orthodontic retreatment (Janson et al). 2003;123:468-75 (Case rep.)

**Review articles**

Laser debonding of ceramic brackets: a comprehensive review (Azzeh and Feldon). 2003;123:79-83

Orthodontic treatment considerations in patients with diabetes mellitus (Bensch et al). 2003;123:74-8

**Review literature**

Effect of Herbst treatment on temporomandibular joint morphology: a systematic literature review (Popowich et al). 2003;123:388-94 (Review article)

**Reviews**

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**Risk management**

Perception is reality (Jerrold). 2003;123:478-9 (Litigation/legis./ethics)

**RNA, messenger**

Lateral functional shift of the mandible: part II. Effects on gene expression in condylar cartilage (Fuentes et al). 2003;123:160-6

**Root resorption**

Ectopic eruption and severe root resorption (Saldarriaga and Patiño). 2003;123:259-65 (Case rep.)

Genetic predisposition to external apical root resorption (Al-Qawasmī et al). 2003;123:242-52

Peg-shaped and small lateral incisors not at higher risk for root resorption (Kook et al). 2003;123:253-8

## S

**Saliva**

Effect of water and saliva contamination on shear bond strength of brackets bonded with conventional, hydrophilic, and self-etching primers (Cacciafesta et al). 2003;123:633-40

**Sandblasting**

Influence of various surface-conditioning methods on the bond strength of metal brackets to ceramic surfaces (Schmage et al). 2003;123:540-6

**Shear bond strength**

Comparison of in vivo and in vitro shear bond strength (Murray and Hobson). 2003;123:2-9

The effect of blood contamination on the shear bond strength of orthodontic brackets with the use of a new self-etch primer (Oonsombat et al). 2003;123:547-50

Effect of thermocycling on the shear bond strength of a cyanoacrylate orthodontic adhesive (Bishara et al). 2003;123:21-4

Effect of water and saliva contamination on shear bond strength of brackets bonded with conventional, hydrophilic, and self-etching primers (Cacciafesta et al). 2003;123:633-40

Effects of high-speed curing devices on shear bond strength and microleakage of orthodontic brackets (James et al). 2003;123:555-61

**Silicization**

Influence of various surface-conditioning methods on the bond strength of metal brackets to ceramic surfaces (Schmage et al). 2003;123:540-6

**Sleep apnea syndromes**

Longitudinal changes in craniofacial factors among snoring and nonsnoring Bolton-Brush study participants (Nelson et al). 2003;123:338-44

**Sliding mechanics**

The effect of ligation method on friction in sliding mechanics (Hain et al). 2003;123:416-22

**Snoring**

Longitudinal changes in craniofacial factors among snoring and nonsnoring Bolton-Brush study participants (Nelson et al). 2003;123:338-44

**Sodium fluoride**

In vivo inhibition of demineralization around orthodontic brackets (Gorton and Featherstone). 2003;123:10-4

**Soft tissue**

Determination of Holdaway soft tissue norms in Anatolian Turkish adults (Basciftci et al). 2003;123:395-400

**Software**

Reliability and validity of a computer-based Little irregularity index (Tran et al). 2003;123:349-51 (Techno bytes)

**Sonography**

Speech performance in lingual orthodontic patients measured by sonography and auditive analysis (Hohoff et al). 2003;123:146-52

**Special article**

Field of dreams (Meister and Masella). 2003;123:352-3

## Speech

Speech performance in lingual orthodontic patients measured by sonography and auditive analysis (Hohoff et al). 2003;123:146-52

## Splints

Long-term stability of skeletal Class III patients treated with splints, Class III elastics, and chincup (Ferro et al). 2003;123:423-34

## Stainless steel

Clinical ligation forces and intraoral friction during sliding on a stainless steel archwire (Iwasaki et al). 2003;123:408-15

## Stepwise advancement

Correlation of replicating cells and osteogenesis in the glenoid fossa during stepwise advancement (Rabie et al). 2003;123:521-6

## Steroids

The effect of anabolic steroids on mandibular growth (Gebhardt and Panherz). 2003;123:435-40

## Streptococcus mutans

Effect of sustained-release chlorhexidine varnish on *Streptococcus mutans* and *Actinomyces viscosus* in orthodontic patients (Beyth et al). 2003;123:345-8 (Short communication)

## Surface characteristics

Effects of fast halogen and plasma arc curing lights on the surface hardness of orthodontic adhesives for lingual retainers (Ümez et al). 2003;123:641-8

Surface changes induced by fluoride prophylactic agents on titanium-based orthodontic wires (Watanabe and Watanabe). 2003;123:653-6

## Surface conditioners

Influence of various surface-conditioning methods on the bond strength of metal brackets to ceramic surfaces (Schmage et al). 2003;123:540-6

## T

### Technology

Automated custom-manufacturing technology in orthodontics (Kuo and Miller). 2003;123:578-81 (Techno bytes)

Condyle-fossa modifications and muscle interactions during Herbst treatment, part 1. New technological methods (Voudouris et al). 2003;123:604-13

The office technology backbone (Ulrich). 2003;123:703-6 (Techno bytes)

Reliability and validity of a computer-based Little irregularity index (Tran et al). 2003;123:349-51 (Techno bytes)

### Temporomandibular joint

Effect of Herbst treatment on temporomandibular joint morphology: a systematic literature review (Popowich et al). 2003;123:388-94 (Review article)

Prevalence of otologic complaints in patients with temporomandibular disorder (Tuz et al). 2003;123:620-3

Replicating mesenchymal cells in the condyle and the glenoid fossa during mandibular forward positioning (Rabie et al). 2003;123:49-57

### Tensile bond strength

Tensile bond strength of ceramic brackets bonded to porcelain facets (Harari et al). 2003;123:551-4

### Tensile stress

The transfer of occlusal forces through the maxillary molars: a finite element study (Cattaneo et al). 2003;123:367-73

### Thermocycling

Effect of thermocycling on the shear bond strength of a cyanoacrylate orthodontic adhesive (Bishara et al). 2003;123:21-4

### Third molar; see Molar, third

### Tinnitus

Prevalence of otologic complaints in patients with temporomandibular disorder (Tuz et al). 2003;123:620-3

### Titanium

Surface changes induced by fluoride prophylactic agents on titanium-based orthodontic wires (Watanabe and Watanabe). 2003;123:653-6

### Tongue

Tongue pressure on loop of transpalatal arch during deglutition (Chiba et al). 2003;123:29-34

### Tooth, impacted

Prevalence of third molar impaction in orthodontic patients treated nonextraction and with extraction of 4 premolars (Kim et al). 2003;123:138-45

### Tooth, unerupted

Unerupted maxillary central and lateral incisors and canine with crossbite and asymmetry (Sato and Mitani). 2003;123:87-92 (Case rep.)

### Tooth bleaching

Can previously bleached teeth be bonded safely? (Uysal et al). 2003;123:628-32

### Tooth decay; see Caries

### Tooth eruption, ectopic

Ectopic eruption and severe root resorption (Saldarriaga and Patiño). 2003;123:259-65 (Case rep.)

### Tooth extraction

Arch width after extraction and nonextraction treatment (Gianelly). 2003;123:25-8

Prevalence of third molar impaction in orthodontic patients treated nonextraction and with extraction of 4 premolars (Kim et al). 2003;123:138-45

Unusual orthodontic retreatment (Janson et al). 2003;123:468-75 (Case rep.)

### Tooth movement

Clinical ligation forces and intraoral friction during sliding on a stainless steel archwire (Iwasaki et al). 2003;123:408-15

A comparative evaluation of different compensating curves in the lingual and labial techniques using 3D FEM (Sung et al). 2003;123:441-50

Comparison of skeletal and dental changes between 2-point and 4-point rapid palatal expanders (Lamparski et al). 2003;123:321-8

Distal molar movement with Kloehe headgear: is it stable? (Melsen and Dalstra). 2003;123:374-8

The effect of ligation method on friction in sliding mechanics (Hain et al). 2003;123:416-22

A nonlinear finite element analysis of the periodontal ligament under orthodontic tooth loading (Toms and Eberhardt). 2003;123:657-65

Orthodontic movement of teeth with intraosseous defects: histologic and histometric study in dogs (Cirelli et al). 2003;123:666-75

Proliferation of epithelial rests of Malassez during experimental tooth movement (Talic et al). 2003;123:527-33

### Tooth size

Tooth size-arch length relationships in the deciduous dentition: a comparison between contemporary and historical samples (Warren et al). 2003;123:614-9

### Torque angle

Three-dimensional relationship between the critical contact angle and the torque angle (Kang et al). 2003;123:64-73

### Transpalatal arch

Tongue pressure on loop of transpalatal arch during deglutition (Chiba et al). 2003;123:29-34

### Transplantation, homologous

Guided bone regeneration to repair an osseous defect (Carvalho et al). 2003;123:455-67 (Case rep.)

### Transposition

Ectopic eruption and severe root resorption (Saldarriaga and Patiño). 2003;123:259-65 (Case rep.)

### Transverse plane

Relationship between transverse dental anomalies and skeletal asymmetry (Kusayama et al). 2003;123:329-37

### Trauma; see Wounds and injuries

### Treatment outcome

Camouflage might not mean compromise (Turpin). 2003;123:241 (Editorial)

Clinical outcome monitoring program (COMP): a new application for use in orthodontic audits and research (Weerakone and Dhoptkar). 2003;123:503-11

Clinical outcomes of Fränkel appliance therapy assessed with a counterpart analysis (Cevidanes et al). 2003;123:379-87

Comparison of peer assessment ratings (PAR) from 1-phase and 2-phase treatment protocols for Class II malocclusions (King et al). 2003;123:489-96

Congenitally missing mandibular second premolar: treatment outcome with orthodontic space closure (Fines et al). 2003;123:676-82 (Case rep.)

Long-term effects of Class III treatment with rapid maxillary expansion and facemask therapy followed by fixed appliances (Westwood et al). 2003;123:306-20

Long-term follow-up of Class II adults treated with orthodontic camouflage: a comparison with orthognathic surgery outcomes (Mihalik et al). 2003;123:266-78

Outcome of orthodontic space closure with a missing maxillary central incisor (Czochrowska et al). 2003;123:597-603

Predictive value of morphologic parameters for successful correction of Class II Division 2 malocclusion (Zentner et al). 2003;123:279-85

#### **Turkey**

Determination of Holdaway soft tissue norms in Anatolian Turkish adults (Basciftci et al). 2003;123:395-400

#### **U**

**Unerupted tooth; see Tooth, unerupted**

#### **V**

**Validity; see Reproducibility of results**

#### **Vertical dimension**

Clinical outcomes of Fränkel appliance therapy assessed with a counterpart analysis (Cevdanes et al). 2003;123:379-87

Long-term effects of Class III treatment with rapid maxillary expansion

and facemask therapy followed by fixed appliances (Westwood et al). 2003;123:306-20

#### **Vertigo**

Prevalence of otologic complaints in patients with temporomandibular disorder (Tuz et al). 2003;123:620-3

#### **W**

#### **Water**

Effect of water and saliva contamination on shear bond strength of brackets bonded with conventional, hydrophilic, and self-etching primers (Cacciafesta et al). 2003;123:633-40

#### **Wounds and injuries**

Incisor trauma and early treatment for Class II Division 1 malocclusion (Koroluk et al). 2003;123:117-26

Paying it forward: an orthodontist's responsibility for possible future injuries (Jerrold). 2003;123:356-8 (Litigation/legis./ethics)

#### **Z**

#### **Zimbabwe**

Bialveolar protrusion in a Zimbabwean sample (Dandajena and Nanda). 2003;123:133-7

